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Occupational projections are produced every two years and are published in July of even numbered years.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed c

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### Long-Term Occupational Projections for St. Louis Region

# **Major Occupation Group Information**

Occupation		2020	2030	2020	-2030		2020	) Wages			Annual C	penings	
		Estimated	Projected	Net	Percent								
SOC Code	Title	Employment	Employment	Change	Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total
00-0000	Total, All Occupations	1,120,239	1,201,727	81,488	7.3%	\$28,835	\$55,704	\$43,426	\$68,553	48,922	74,896	8,149	131,967
11-0000	Management Occupations	65,510	72,018	6,508	9.9%	\$73,295	\$123,123	\$108,613	\$156,510	1,564	3,798	651	6,013
13-0000	Business and Financial Operations Occupations	79,946	85,580	5,634	7.1%	\$54,121	\$78,855	\$71,097	\$95,256	2,166	4,838	563	7,567
15-0000	Computer and Mathematical Occupations	46,096	51,356	5,260	11.4%	\$60,970	\$86,936	\$83,915	\$109,335	1,010	2,410	526	3,946
17-0000	Architecture and Engineering Occupations	18,384	19,424	1,040	5.7%	\$64,743	\$88,808	\$83,276	\$110,369	446	870	104	1,420
19-0000	Life, Physical, and Social Science Occupations	7,526	8,209	683	9.1%	\$43,901	\$70,017	\$59,587	\$82,775	162	571	68	801
21-0000	Community and Social Service Occupations	14,748	15,985	1,237	8.4%	\$34,590	\$46,344	\$43,227	\$56,221	486	981	124	1,591
23-0000	Legal Occupations	10,116	11,026	910	9.0%	\$47,748	\$85,272	\$64,406	\$102,545	294	421	91	806
25-0000	Education, Training, and Library Occupations	52,802	57,148	4,346	8.2%	\$32,435	\$55,911	\$45,623	\$64,541	2,239	2,532	435	5,206
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	19,136	21,573	2,437	12.7%	\$32,200	\$52,241	\$46,016	\$63,648	748	1,315	244	2,307
29-0000	Healthcare Practitioners and Technical Occupations	82,499	90,471	7,972	9.7%	\$46,510	\$75,972	\$62,327	\$86,145	2,177	2,570	797	5,544
31-0000	Healthcare Support Occupations	57,932	67,181	9,249	16.0%	\$22,653	\$29,349	\$25,824	\$32,275	3,776	3,763	925	8,464
33-0000	Protective Service Occupations	22,869	25,250	2,381	10.4%	\$30,614	\$51,116	\$43,845	\$69,388	1,168	1,590	238	2,996
35-0000	Food Preparation and Serving Related Occupations	84,934	103,873	18,939	22.3%	\$20,375	\$26,376	\$23,755	\$29,250	7,095	9,580	1,894	18,569
37-0000	Building and Grounds Cleaning and Maintenance Occupations	34,492	37,226	2,734	7.9%	\$23,630	\$31,579	\$28,942	\$35,960	2,016	2,632	273	4,921
39-0000	Personal Care and Service Occupations	32,339	36,591	4,252	13.2%	\$20,942	\$30,080	\$25,256	\$34,855	2,197	2,723	425	5,345
41-0000	Sales and Related Occupations	102,835	101,835	-1,000	-1.0%	\$24,056	\$49,805	\$33,520	\$58,752	4,991	7,838	-100	12,729
43-0000	Office and Administrative Support Occupations	162,258	157,561	-4,697	-2.9%	\$31,787	\$42,473	\$39,033	\$50,465	7,496	9,846	-470	16,872
45-0000	Farming, Fishing, and Forestry Occupations	1,850	1,809	-41	-2.2%	\$26,392	\$33,051	\$29,915	\$37,769	77	207	-4	280
47-0000	Construction and Extraction Occupations	49,376	54,487	5,111	10.4%	\$46,599	\$64,711	\$67,973	\$80,732	1,578	3,446	511	5,535
49-0000	Installation, Maintenance, and Repair Occupations	39,312	41,719	2,407	6.1%	\$38,151	\$53,271	\$51,134	\$65,725	1,281	2,577	241	4,099
51-0000	Production Occupations	60,327	59,524	-803	-1.3%	\$29,928	\$43,857	\$39,788	\$52,689	2,292	4,224	-80	6,436
53-0000	Transportation and Material Moving Occupations	74,952	81,881	6,929	9.2%	\$27,245	\$40,056	\$35,386	\$49,550	3,661	6,162	693	10,516

Please see Notes tab for further explanation of data.

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# **Top Job Outlook by Now, Next, and Later Categories**

Outlook defined by Career Grades which consider openings, growth rate, and wages

NOW Top Job Outlook - St. Louis  NOW jobs typically require high school education or less and short-term training					
Grade	Occupation Title	Annual	Average Annual		
D :	Foot Food and Counter Workers	Openings	Wage		
B+	Fast Food and Counter Workers	5,344	\$25,107		
B+	Home Health and Personal Care Aides	5,085	\$26,856		
B+	Waiters and Waitresses	3,888	\$24,801		
В	Customer Service Representatives	2,982	\$38,736		
В	Stockers and Order Fillers	2,469	\$32,002		
B+	Laborers and Freight, Stock, and Material Movers, Hand	2,319	\$36,784		
В	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,243	\$30,738		
B+	Security Guards	1,200	\$36,130		
В	Food Preparation Workers	1,147	\$24,176		
В	Landscaping and Groundskeeping Workers	1,116	\$32,971		
В	Maids and Housekeeping Cleaners	1,033	\$25,104		
Α	Construction Laborers	989	\$61,053		
Α	Bartenders	913	\$27,951		
B+	Light Truck or Delivery Services Drivers	846	\$43 <i>,</i> 735		
B+	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	748	\$22,900		
B+	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	728	\$31,619		
B+	Dining Room and Cafeteria Attendants and Bartender Helpers	689	\$24,234		
B+	Nonfarm Animal Caretakers	628	\$27,960		
В	Food Servers, Nonrestaurant	542	\$26,505		
В	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	493	\$22,773		

NEXT Top Job Outlook - St. Louis  NEXT jobs typically require moderate/long-term training or experience or education beyond high school					
Grade	Occupation Title	Annual	Average Annual		
	<u> </u>	Openings	Wage		
Α	Cooks, Restaurant	2,388	\$27 <i>,</i> 958		
B+	Heavy and Tractor-Trailer Truck Drivers	1,582	\$52 <i>,</i> 480		
В	Nursing Assistants	1,547	\$27 <i>,</i> 153		
В	Bookkeeping, Accounting, and Auditing Clerks	1,214	\$44 <i>,</i> 226		
Α	First-Line Supervisors of Food Preparation and Serving Workers	1,200	\$36,708		
В	Maintenance and Repair Workers, General	1,106	\$47,236		
Α	Carpenters	996	\$65,036		
Α	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	994	\$81,848		
В	First-Line Supervisors of Office and Administrative Support Workers	945	\$65,468		
В	Medical Secretaries	836	\$38,591		
Α	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	769	\$71,764		
Α	Fitness Trainers and Aerobics Instructors	742	\$38,039		
Α	Insurance Sales Agents	660	\$72,547		
Α	Electricians	612	\$67,085		
B+	Medical Assistants	602	\$35,161		
B+	Computer User Support Specialists	559	\$56,153		
В	Recreation Workers	540	\$26,573		
В	Police and Sheriff's Patrol Officers	476	\$65,197		
В	First-Line Supervisors of Production and Operating Workers	427	\$66,965		
Α	First-Line Supervisors of Construction Trades and Extraction Workers	425	\$82,643		

LATER Top Job Outlook - St. Louis  LATER jobs typically require a Bachelor's degree or higher education		
Grade Occupation Title	Annual	Average Annual
- Claud	Openings	Wage

A+	General and Operations Managers	2,269	\$115,316
Α	Registered Nurses	2,041	\$68,561
A+	Software Developers and Software Quality Assurance Analysts and Testers	1,497	\$100,718
Α	Accountants and Auditors	1,241	\$77,123
Α	Project Management Specialists and Business Operations Specialists, All Other	958	\$83,690
A+	Management Analysts	753	\$92,817
В	Secondary School Teachers, Except Special and Career/Technical Education	740	\$52,173
A+	Market Research Analysts and Marketing Specialists	725	\$72,247
В	Substitute Teachers, Short-Term	684	\$37,338
B+	Human Resources Specialists	667	\$64,334
В	Elementary School Teachers, Except Special Education	549	\$56,310
Α	Securities, Commodities, and Financial Services Sales Agents	495	\$89,147
A+	Medical and Health Services Managers	441	\$113,250
Α	Computer Systems Analysts	435	\$92,062
A+	Financial Managers	433	\$153,478
B+	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	370	\$92,260
В	Clinical Laboratory Technologists and Technicians	362	\$50,711
Α	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	357	\$96 <i>,</i> 736
Α	Lawyers	349	\$110,233
Α	Computer and Information Systems Managers	322	\$146,428

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center Please see Notes tab for additional details

### **Top Job Openings by Now, Next, and Later Categories**

Openings based on job growth as well as replacement needs due to exits or transfers

NOW Top Job Openings - St. Louis  NOW jobs typically require high school education or less and short-term training					
Grade	Occupation Title	Annual Openings	Average Annual Wage		
B+	Fast Food and Counter Workers	5,344	\$25,107		
B+	Home Health and Personal Care Aides	5,085	\$26,856		
B+	Waiters and Waitresses	3,888	\$24,801		
C+	Retail Salespersons	3,863	\$32,945		
С	Cashiers	3,068	\$25,601		
В	Customer Service Representatives	2,982	\$38,736		
C+	Office Clerks, General	2,568	\$39,033		
В	Stockers and Order Fillers	2,469	\$32,002		
B+	Laborers and Freight, Stock, and Material Movers, Hand	2,319	\$36,784		
В	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,243	\$30,738		
C+	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,647	\$40,195		
B+	Security Guards	1,200	\$36,130		
В	Food Preparation Workers	1,147	\$24,176		
В	Landscaping and Groundskeeping Workers	1,116	\$32,971		
C+	Childcare Workers	1,072	\$26,241		
В	Maids and Housekeeping Cleaners	1,033	\$25,104		
Α	Construction Laborers	989	\$61,053		
Α	Bartenders	913	\$27,951		
B+	Light Truck or Delivery Services Drivers	846	\$43,735		
С	Shipping, Receiving, and Traffic Clerks	753	\$36,243		

NEXT Top Job Openings - St. Louis  NEXT jobs typically require moderate/long-term training or experience or education beyond high school					
Grade	Occupation Title	Annual Openings	Average Annual Wage		
A	Cooks, Restaurant	2,388	\$27,958		
B+	Heavy and Tractor-Trailer Truck Drivers	1,582	\$52,480		
В.	Nursing Assistants	1,547	\$27,153		
В	Bookkeeping, Accounting, and Auditing Clerks	1,214	\$44,226		
A	First-Line Supervisors of Food Preparation and Serving Workers	1,200	\$36,708		
В	Maintenance and Repair Workers, General	1,106	\$47,236		
A	Carpenters	996	\$65,036		
Α	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	994	\$81,848		
В	First-Line Supervisors of Office and Administrative Support Workers	945	\$65,468		
В	Medical Secretaries	836	\$38,591		
Α	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	769	\$71,764		
Α	Fitness Trainers and Aerobics Instructors	742	\$38,039		
C+	First-Line Supervisors of Retail Sales Workers	734	\$44,132		
Α	Insurance Sales Agents	660	\$72,547		
Α	Electricians	612	\$67,085		
C+	Hairdressers, Hairstylists, and Cosmetologists	603	\$32,607		
B+	Medical Assistants	602	\$35,161		
С	Miscellaneous Assemblers and Fabricators	585	\$41,009		
B+	Computer User Support Specialists	559	\$56,153		
C+	Teaching Assistants, Except Postsecondary	559	\$28,983		

LATER Top Job Openings - St. Louis  LATER jobs typically require a Bachelor's degree or higher education					
Grade	Occupation Title	Annual	<b>Average Annual</b>		
Grade	Occupation Title	Openings	Wage		
A+	General and Operations Managers	2.269	\$115,316		

Α	Registered Nurses	2,041	\$68,561
A+	Software Developers and Software Quality Assurance Analysts and Testers	1,497	\$100,718
Α	Accountants and Auditors	1,241	\$77,123
Α	Project Management Specialists and Business Operations Specialists, All Other	958	\$83,690
A+	Management Analysts	753	\$92,817
В	Secondary School Teachers, Except Special and Career/Technical Education	740	\$52,173
A+	Market Research Analysts and Marketing Specialists	725	\$72,247
В	Substitute Teachers, Short-Term	684	\$37,338
B+	Human Resources Specialists	667	\$64,334
В	Elementary School Teachers, Except Special Education	549	\$56,310
Α	Securities, Commodities, and Financial Services Sales Agents	495	\$89,147
A+	Medical and Health Services Managers	441	\$113,250
Α	Computer Systems Analysts	435	\$92,062
A+	Financial Managers	433	\$153,478
B+	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	370	\$92,260
В	Clinical Laboratory Technologists and Technicians	362	\$50,711
Α	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	357	\$96,736
Α	Lawyers	349	\$110,233
Α	Computer and Information Systems Managers	322	\$146,428

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center Please see Notes tab for additional details

Α

C+

**Construction Laborers** 

### **Fastest Growing Occupations by Now, Next, and Later Categories**

Fastest growth defined by percent growth from base year to projected year

Veterinary Assistants and Laboratory Animal Caretakers

NOW Fastest Growing Occupations - St. Louis  NOW jobs typically require high school education or less and short-term training					
Grade	Occupation Title	Percent	Annual	Average Annual	
0.000		Growth	Openings	Wage	
В	Ushers, Lobby Attendants, and Ticket Takers	48.6%	392	\$23,956	
C+	Baggage Porters and Bellhops	43.0%	15	\$28,033	
Α	Bartenders	33.9%	913	\$27,951	
B+	Dining Room and Cafeteria Attendants and Bartender Helpers	29.0%	689	\$24,234	
В	Hotel, Motel, and Resort Desk Clerks	28.5%	225	\$24,470	
В	Food Preparation and Serving Related Workers, All Other	27.8%	170	\$22,631	
B+	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	27.8%	748	\$22,900	
В	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22.0%	493	\$22,773	
B+	Nonfarm Animal Caretakers	21.5%	628	\$27,960	
B+	Waiters and Waitresses	21.4%	3,888	\$24,801	
B+	Home Health and Personal Care Aides	20.4%	5,085	\$26,856	
В	Dishwashers	20.3%	379	\$24,974	
B+	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19.5%	728	\$31,619	
В	Cargo and Freight Agents	19.1%	142	\$46,589	
В	Amusement and Recreation Attendants	18.6%	397	\$27,468	
B+	Security Guards	17.6%	1,200	\$36,130	
B+	Fast Food and Counter Workers	15.6%	5,344	\$25,107	
В	Food Servers, Nonrestaurant	15.3%	542	\$26,505	

15.2%

15.0%

989

148

\$61,053

\$33,039

	NEXT Fastest Growing Occupations - St. Louis  NEXT jobs typically require moderate/long-term training or experience or education beyond high school						
Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage			
В	Concierges	67.2%	65	\$29,311			
Α	Cooks, Restaurant	51.7%	2,388	\$27,958			
Α	Musicians and Singers	41.2%	48	n/a			
B+	Athletes and Sports Competitors	38.7%	21	\$72,480			
B+	Occupational Therapy Assistants	38.6%	81	\$56,183			
В	Broadcast Technicians	38.5%	25	\$50,110			
В	Physical Therapist Assistants	33.8%	148	\$52,348			
В	Airfield Operations Specialists	31.8%	49	\$35,171			
Α	Fitness Trainers and Aerobics Instructors	30.1%	742	\$38,039			
В	Umpires, Referees, and Other Sports Officials	28.9%	245	\$35,270			
В	Phlebotomists	25.4%	115	\$32,857			
B+	Computer Numerically Controlled Tool Programmers	25.1%	39	\$72,178			
B+	Respiratory Therapists	25.0%	93	\$58,382			
В	Mechanical Door Repairers	24.4%	18	\$49,255			
В	Chefs and Head Cooks	24.0%	86	\$48,262			
B+	Self-Enrichment Education Teachers	24.0%	304	\$42 <i>,</i> 570			
Α	First-Line Supervisors of Food Preparation and Serving Workers	23.3%	1,200	\$36,708			
В	Audio and Video Equipment Technicians	22.6%	143	\$47,574			
В	Mobile Heavy Equipment Mechanics, Except Engines	21.9%	146	\$59,769			
B+	Industrial Machinery Mechanics	19.7%	188	\$62,251			

## **LATER Fastest Growing Occupations - St. Louis**

LATER jobs typically require a Bachelor's degree or higher education

Grade	Occupation Title	Percent	Annual	<b>Average Annual</b>
Grade	Occupation Title	Growth	Openings	Wage
A+	Nurse Practitioners	47.4%	281	\$105,878
В	Radio and Television Announcers	35.9%	32	\$53,686
В	Camera Operators, Television, Video, and Motion Picture	34.9%	30	\$55,670
В	Agents and Business Managers of Artists, Performers, and Athletes	33.8%	11	\$59,169
В	Film and Video Editors	33.6%	37	\$55,675
Α	Statisticians	32.8%	28	\$92,620
Α	Logisticians	30.9%	185	\$79,260
A+	Medical and Health Services Managers	30.4%	441	\$113,250
B+	Producers and Directors	29.7%	76	\$61,146
Α	Physician Assistants	29.5%	57	\$83,108
Α	Information Security Analysts	28.4%	133	\$93,738
Α	Computer and Information Research Scientists	27.4%	20	\$122,494
Α	Actuaries	27.3%	20	\$129,547
Α	Data Scientists and Mathematical Science Occupations, All Other	25.6%	56	\$103,084
Α	Operations Research Analysts	22.6%	76	\$80,575
Α	Speech-Language Pathologists	22.3%	92	\$95,830
A+	Market Research Analysts and Marketing Specialists	22.1%	725	\$72,247
В	Coaches and Scouts	21.7%	296	\$35,412
B+	Medical Scientists, Except Epidemiologists	20.5%	115	\$76,924
В	Nursing Instructors and Teachers, Postsecondary	20.5%	47	\$67,061

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center Please see Notes tab for additional details

Long-Term Occupational Projections for St. Louis Region  All Occupation Information	2020	2030	2020-2	2030	2020 Wages		Annual Openings		Educ	cation, Experience, and Trai	ning		T Workkeys Assess Workplace Docum		v STEM
Grade N_N_L SOC Code Title  00-0000 Total, All Occupations	Estimated Employment 1,120,239	Projected	Net	Percent Change	Entry Mean Median Experienced \$28,835 \$55,704 \$43,426 \$68,553	Exits 48,922	Transfers Growth	Total 131,967		Typical Experience Required			Minimum Me		STEM COR edian or Relate
Harring Industrial Production Managers  LATER 11-1011 Chief Executives  A+ LATER 11-1021 General and Operations Managers  B+ LATER 11-1021 Legislators  B+ LATER 11-2021 Marketing Managers  A LATER 11-2022 Sales Managers  A LATER 11-2030 Public Relations and Fundraising Managers  B+ LATER 11-3010 Administrative Services and Facilities Managers  A LATER 11-3021 Computer and Information Systems Managers  A LATER 11-3021 Computer and Information Systems Managers  A LATER 11-3051 Industrial Production Managers  B+ LATER 11-3051 Purchasing Managers  B+ LATER 11-3051 Purchasing Managers  B+ NEXT 11-3071 Transportation, Storage, and Distribution Managers  B+ LATER 11-3111 Compensation and Benefits Managers  B+ LATER 11-3121 Human Resources Managers  B+ LATER 11-3131 Training and Development Managers  B+ LATER 11-9013 Farmers, Ranchers, and Other Agricultural Managers  C LATER 11-9021 Construction Managers  C LATER 11-9031 Education Administrators, Preschool and Childcare Center/Program  B+ LATER 11-9032 Education Administrators, Postsecondary  B+ LATER 11-9034 Education Administrators, Postsecondary  B+ LATER 11-9035 Education Administrators, Postsecondary  B+ LATER 11-9036 Education Administrators, Postsecondary  B+ LATER 11-9037 Gaming Managers  C NEXT 11-9058 Lodging Managers  C NEXT 11-9051 Food Service Managers  C NEXT 11-911 Natural Sciences Managers  C NEXT 11-912 Natural Sciences Managers  C NEXT 11-9131 Postmasters and Mail Superintendents  B NEXT 11-9131 Postmasters and Mail Superintendents  B NEXT 11-9131 Postmasters and Mail Superintendents  B NEXT 11-9131 Foocial and Community Service Managers  C NEXT 11-9131 Forein Home Managers  C+ LATER 11-9149 Property, Real Estate, and Community Association Managers,  B+ LATER 11-9198 Personal Service Managers; Entertainment & Recreation Managers,  B+ LATER 11-9198 Personal Service Managers; Entertainment & Recreation Managers,	65,510 3,012 23,638 281 206 1,487 2,370 771 2,415 3,716 4,513 1,349 449 805 91 1,107 248 n/a 2,469 257 2,327 747 112 1,251 944 n/a 253 3,746 295 39 2,389 773 43 n/a 2,483	72,018 2,826 25,990 289 225 1,614 2,574 870 2,615 4,083 5,357 1,400 457 882 93 1,205 273 n/a 2,888 250 2,474 792 120 1,291 1,085 n/a 262 4,883 315 36 2,459 811 47 n/a 2,646	6,508 -186 2,352 8 19 127 204 99 200 367 844 51 8 77 2 98 25 n/a 419 -7 147 45 8 40 141 n/a 9 1,137 20 -3 70 38 4 n/a 163	9.9% -6.2% 10.0% 2.9% 9.2% 8.5% 8.6% 12.8% 8.3% 9.9% 18.7% 3.8% 1.8% 9.6% 2.2% 8.9% 10.1% n/a 17.0% -2.7% 6.3% 6.0% 7.1% 3.2% 14.9% n/a 3.6% 30.4% 6.8% -7.7% 2.9% 4.9% 9.3% n/a 6.6%	\$73,295 \$123,123 \$108,613 \$156,510 \$118,728 \$195,535 \$178,509 n/a \$60,461 \$115,316 \$96,825 \$152,334 \$19,761 \$37,361 \$19,981 \$29,820 \$74,490 \$109,993 \$92,070 \$145,122 \$104,607 \$148,030 \$139,357 \$180,793 \$109,865 \$159,915 \$143,319 \$194,158 \$67,385 \$106,971 \$94,846 \$131,075 \$74,419 \$103,381 \$94,550 \$123,484 \$104,412 \$146,428 \$141,032 \$171,923 \$107,371 \$153,478 \$139,538 \$179,934 \$86,069 \$117,830 \$109,800 \$143,287 \$90,064 \$123,426 \$109,742 \$144,721 \$76,437 \$100,812 \$95,637 \$117,037 \$115,374 \$149,537 \$137,788 \$176,101 \$91,681 \$127,407 \$113,244 \$152,089 \$93,780 \$122,157 \$118,240 \$145,542 n/a n/a n/a n/a n/a \$81,728 \$116,480 \$105,227 \$164,583 \$48,918 \$61,368 \$58,641 \$66,254 \$79,888 \$96,676 \$95,354 \$113,087 \$65,465 \$109,451 \$89,773 \$133,161 \$58,243 \$87,717 \$92,566 \$108,685 \$120,088 \$157,028 \$150,359 \$188,876 \$37,014 \$58,574 \$57,213 \$69,920 n/a n/a n/a n/a n/a \$32,908 \$66,147 \$61,453 \$95,173 \$80,724 \$113,250 \$101,581 \$130,131 \$66,475 \$110,746 \$101,824 \$141,208 \$77,568 \$86,746 \$82,961 \$92,742 \$48,684 \$77,993 \$61,704 \$103,491 \$54,643 \$67,981 \$62,644 \$77,713 \$55,542 \$83,943 \$71,797 \$108,522 n/a n/a n/a n/a n/a \$98,037 \$133,979 \$126,707 \$158,390	1,564 80 496 7 4 31 49 21 71 63 101 27 10 16 2 27 6 n/a 55 6 59 19 3 23 31 n/a 10 108 6 1 92 24 2 n/a 6 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	3,798 651 118 -19 1,538 235 14 1 16 2 98 13 156 20 47 10 126 20 222 37 248 84 65 5 24 1 46 8 5 0 64 10 17 2 n/a n/a 136 42 12 -1 112 15 36 4 5 1 64 4 81 14 n/a n/a 18 1 219 114 15 2 2 0 92 7 42 4 2 0 n/a n/a 126 16	6,013 179 2,269 22 142 225 78 217 322 433 97 35 70 7 101 25 n/a 233 17 186 59 91 126 n/a 29 441 23 3 191 70 4 n/a 202	Bachelor's degree Master's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree High school diploma or equivalent Bachelor's degree	5 years or more 5 years or more Less than 5 years 5 years or more 6 years or more Less than 5 years 5 years or more Less than 5 years	None None None None None None None None	4 5 3 5 3 5 3 4 7 7 4 4 4 5 3 5 5 5 4 5 3 4 5 5 3 4 5 5 3 4 5 5 3 5 4 4 5 5 3 5 3 4 7 7 3 3 3 4 7 7 3 3 3 4 7 7 3 3 3 4 7 7 3 3 3 4 3 5 3 4 3 4 3 5 3 4 3 4 3 5 3 4 3 4 3 5 3 4	5 3 4 3 5 5 4 5 3 3 4 4 5 5 5 4 6 4 6 4 3 3 4 3 4 3 4 4 6 4 6 6 4 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	6 4 5 4 6 4 5 5 5 5 4 5 5 4 5 5 4 4 4 4 4 3 5 5 5 4 4 4 5 5 5 4 6 3 5 5 5 4 4 7 7 4 3 4 7 7 4 3 8 4 4 7 4 3 8 5 8 5 8 6 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	5 5 5 4 5 5 4 5 5 4 4 4 4 4 4 5 5 5 4 5 Core 4 4 5 4 Related 4 Core 4 4 4 4 5 4 4 5 4 4 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
B LATER 13-1010 Agents and Business Managers of Artists, Performers, and Athletes C+ LATER 13-1020 Buyers and Purchasing Agents B NEXT 13-1031 Claims Adjusters, Examiners, and Investigators C+ NEXT 13-1032 Insurance Appraisers, Auto Damage B LATER 13-1041 Compliance Officers B LATER 13-1071 Cost Estimators B+ LATER 13-1071 Human Resources Specialists D NEXT 13-1074 Farm Labor Contractors C LATER 13-1075 Labor Relations Specialists A LATER 13-1111 Management Analysts B LATER 13-1121 Meeting, Convention, and Event Planners C+ LATER 13-1121 Meeting, Convention, and Event Planners C+ LATER 13-1131 Fundraisers C+ LATER 13-1141 Compensation, Benefits, and Job Analysis Specialists B LATER 13-1151 Training and Development Specialists A+ LATER 13-1161 Market Research Analysts and Marketing Specialists A+ LATER 13-1161 Market Research Analysts and Marketing Specialists A+ LATER 13-1198 Project Management Specialists and Business Operations Specialists A LATER 13-2011 Accountants and Auditors C LATER 13-2020 Property Appraisers and Assessors C+ LATER 13-2031 Budget Analysts C LATER 13-2041 Credit Analysts A LATER 13-2052 Personal Financial Advisors C+ LATER 13-2051 Insurance Underwriters A LATER 13-2061 Financial Examiners C LATER 13-2071 Credit Counselors B LATER 13-2072 Loan Officers C LATER 13-2081 Tax Examiners and Collectors, and Revenue Agents C NEXT 13-2082 Tax Preparers Financial and Investment Analysts, Financial Risk Specialists, and Fin	68 3,417 3,798 n/a 1,897 2,036 6,213 n/a 2,589 1,427 6,929 1,138 1,305 549 2,627 5,595 12,183 12,873 483 358 529 2,718 1,376 1,037 n/a 3,058 n/a 595	91 3,234 3,812 n/a 1,989 2,126 6,800 n/a 2,385 1,868 7,835 1,302 1,470 588 2,860 6,834 12,756 13,709 498 380 492 2,935 1,359 1,231 n/a 3,010 n/a 603 4,743	23 -183 14 n/a 92 90 587 n/a -204 441 906 164 165 39 233 1,239 573 836 15 22 -37 217 -17 194 n/a -48 n/a 8 248	33.8% -5.4% 0.4% n/a 4.9% 4.4% 9.5% n/a -7.9% 30.9% 13.1% 14.4% 12.6% 7.1% 8.9% 22.1% 4.7% 6.5% 3.1% 6.2% -7.0% 8.0% -1.2% 18.7% n/a -1.6% n/a 1.3% 5.5%	\$32,014 \$59,169 \$62,338 \$75,938 \$50,459 \$71,061 \$65,385 \$88,082 \$59,515 \$78,022 \$71,441 \$90,447 n/a n/a n/a \$57,249 \$78,961 \$76,467 \$97,419 \$55,090 \$72,640 \$68,246 \$86,540 \$45,711 \$64,334 \$59,633 \$79,792 n/a n/a n/a \$59,106 \$79,260 \$75,157 \$97,810 \$59,735 \$92,817 \$82,675 \$114,362 \$34,963 \$51,414 \$52,182 \$64,013 \$46,596 \$57,510 \$55,495 \$64,646 \$46,349 \$66,735 \$61,038 \$84,739 \$52,762 \$68,952 \$65,560 \$85,065 \$45,325 \$72,247 \$60,258 \$87,000 \$58,843 \$83,690 \$78,075 \$103,259 \$55,494 \$77,123 \$71,382 \$93,399 \$44,578 \$55,121 \$53,353 \$61,088 \$56,587 \$74,149 \$66,432 \$91,690 \$56,199 \$85,128 \$73,409 \$102,501 \$59,237 \$108,871 \$78,033 \$115,979 \$54,854 \$84,987 \$70,564 \$91,187 \$59,024 \$83,312 \$78,210 \$100,756 \$38,539 \$52,440 \$48,012 \$66,221 \$61,212 \$90,642 \$78,255 \$99,903 \$67,102 \$87,965 \$93,432 \$108,014 \$24,641 \$45,568 \$39,293 \$58,234 \$66,680 \$92,260 \$81,655 \$105,077	3 113 90 n/a 47 59 176 n/a 67 34 237 36 43 17 83 147 289 370 19 9 64 28 30 n/a 65 n/a 33 81	6 2 213 -18 198 1 n/a n/a 103 9 126 9 432 59 n/a n/a 165 -20 107 44 425 91 90 16 88 16 33 4 168 23 454 124 612 57 787 84 18 2 19 2 34 -4 139 22 71 -2 53 19 n/a n/a 165 -5 n/a n/a 33 1 264 25	11 308 289 n/a 159 194 667 n/a 212 185 753 142 147 54 274 725 958 1,241 39 30 39 225 97 102 n/a 225 n/a	Bachelor's degree Bachelor's degree High school diploma or equivalent Postsecondary non-degree award Bachelor's degree Bachelor's degree Bachelor's degree No formal educational credential Bachelor's degree	Less than 5 years None None None None None None Less than 5 years Less than 5 years None Less than 5 years None None Less than 5 years None None None None None None None None	None Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training None Short-term on-the-job training None None None None None None None None	4 5 5 5 3 3 3 4 3 3 5 5 3 4 3 3 3 3 5 5 3 4 4 4 4 4 3 4 4 3 4 4 3 4 4 3 4 5 5 5 5 5 5 4 4 4 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 4 4	3 4 3 3 4 4 4 4 3 5 4 4 4 4 4 4 4 4 4 4	5       3         4       4         3       4         4       3         4       3         4       3         5       4         4       5         5       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5       4         4       4         5	4 5 4 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5
A LATER 15-1211 Computer Systems Analysts A LATER 15-1212 Information Security Analysts A LATER 15-1221 Computer and Information Research Scientists C+ NEXT 15-1231 Computer Network Support Specialists B+ NEXT 15-1232 Computer User Support Specialists B+ LATER 15-1241 Computer Network Architects B+ LATER 15-1241 Computer Network Architects B+ LATER 15-1244 Network and Computer Systems Administrators B LATER 15-1245 Database Administrators and Architects C LATER 15-1251 Computer Programmers A+ LATER 15-1256 Software Developers and Software Quality Assurance Analysts and B LATER 15-1257 Web Developers and Digital Interface Designers B LATER 15-1299 Computer Occupations, All Other A LATER 15-2011 Actuaries A LATER 15-2031 Operations Research Analysts A LATER 15-2041 Statisticians A LATER 15-2098 Data Scientists and Mathematical Science Occupations, All Other	46,096 5,832 1,218 186 2,084 6,310 1,727 3,031 2,093 1,635 15,411 1,978 2,786 231 810 232 532	51,356 6,089 1,564 237 2,227 7,092 1,730 3,151 2,204 1,391 18,227 2,225 2,956 294 993 308 668	5,260 257 346 51 143 782 3 120 111 -244 2,816 247 170 63 183 76 136	11.4% 4.4% 28.4% 27.4% 6.9% 12.4% 0.2% 4.0% 5.3% -14.9% 18.3% 12.5% 6.1% 27.3% 22.6% 32.8% 25.6%	\$60,970\$86,936\$83,915\$109,335\$71,195\$92,062\$89,021\$110,883\$67,234\$93,738\$92,322\$114,777\$90,800\$122,494\$102,761\$160,999\$43,598\$59,046\$54,637\$72,013\$38,159\$56,153\$50,928\$67,970\$74,971\$106,741\$104,246\$129,071\$70,815\$94,621\$91,309\$113,770\$66,856\$88,540\$84,741\$108,467\$69,405\$86,393\$83,895\$101,305\$77,336\$100,718\$97,945\$122,841\$50,077\$70,792\$64,907\$88,359\$63,060\$83,444\$84,940\$104,353\$87,834\$129,547\$120,114\$155,153\$53,071\$80,575\$77,845\$104,103\$75,222\$92,620\$88,222\$110,178\$77,751\$103,084\$101,231\$125,043	1,010 116 21 4 40 126 24 52 50 30 390 49 67 4 19 6 12	2,410     526       293     26       77     35       11     5       114     14       355     78       79     0       146     12       105     11       69     -24       825     282       103     25       141     17       10     6       39     18       14     8       30     14	3,946 435 133 20 168 559 103 210 166 75 1,497 177 225 20 76 28 56	Bachelor's degree Bachelor's degree Master's degree Associate degree Some college, no degree Bachelor's degree	None Less than 5 years None None None 5 years or more None None None None None None None Non	None None None None None None None None	3 5 4 5 6 7 5 5 3 4 4 4 3 5 5 5 4 5 6 8 4 5 8 7 7 7 7 7 7	3 6 5 4 3 5 4 4 4 6 5 10 7 7	4 3 6 6 5 4 5 4 4 3 5 5 5 3 4 5 5 4 8 6 5 6 10 8 1	4 Core 6 Core 4 Core 4 Core 5 Core 5 Core 5 Core 6 Core 7 Core 7 Core 7 Core 6 Core
C+ LATER 17-1011 Architecture and Engineering Occupations  C+ LATER 17-1012 Architects, Except Landscape and Naval  C LATER 17-1021 Cartographers and Photogrammetrists  C LATER 17-1022 Surveyors  B LATER 17-2021 Aerospace Engineers  C LATER 17-2021 Agricultural Engineers  B LATER 17-2031 Biomedical Engineers  A LATER 17-2031 Biomedical Engineers  B LATER 17-2041 Chemical Engineers  B LATER 17-2051 Civil Engineers  B LATER 17-2071 Electrical Engineers  B LATER 17-2071 Electrical Engineers  B LATER 17-2072 Electronics Engineers, Except Computer  C+ LATER 17-2012 Environmental Engineers  B LATER 17-2111 Health and Safety Engineers, Except Mining Safety Engineers and In:  A LATER 17-2112 Industrial Engineers  C LATER 17-2113 Materials Engineers  B+ LATER 17-2114 Mechanical Engineers  C+ LATER 17-2151 Minima and Geological Engineers, Including Mining Safety Engineers  C+ LATER 17-2151 Nuclear Engineers  C+ LATER 17-2151 Varied Engineers  C+ LATER 17-3011 Architectural and Civil Drafters  C+ NEXT 17-3012 Electrical and Electronics Drafters  C- NEXT 17-3013 Mechanical Drafters  C- NEXT 17-3014 Aerospace Engineering and Operations Technicians  C+ NEXT 17-3025 Environmental Engineering Technicians  C+ NEXT 17-3026 Industrial Engineering Technicians  C+ NEXT 17-3031 Surveying and Mapping Technicians  C- NEXT 17-3035 Surveying and Mapping Technicians  C- NEXT 17-3036 Calibration and Engineering Technicians  C- NEXT 17-3031 Surveying and Mapping Technicians  C- NEXT 17-3031 Calibration and Engineering Technicians  C- NEXT 17-3036 Calibration and Engineering Technicians  C- NEXT 17-3035 Calibration and Engineering Technicians	18,384 910 n/a n/a 444 1,070 n/a 31 158 2,178 255 2,423 1,030 284 184 2,984 n/a 483 1,383 n/a n/a 850 928 127 435 36 n/a 313 348 n/a 1,383	19,424 943 n/a n/a 450 1,048 n/a 34 180 2,371 265 2,471 1,068 291 196 3,430 n/a 533 1,491 n/a n/a n/a 857 944 129 421 36 n/a 323 356 n/a 323 356 n/a 323 356 n/a 323 356 n/a 300	1,040 33 n/a n/a 6 -22 n/a 3 22 193 10 48 38 7 12 446 n/a 50 108 n/a n/a n/a 7 16 2 -14 0 n/a 10 8 n/a 19 9 1 12	5.7% 3.6% n/a n/a 1.4% -2.1% n/a 9.7% 13.9% 8.9% 3.9% 2.0% 3.7% 2.5% 6.5% 15.0% n/a 10.4% 7.8% n/a n/a 0.8% 1.7% 1.6% -3.2% 0.0% n/a 3.2% 2.3% n/a n/a 3.7% 7.4% 0.4% 4.2%	\$64,743 \$88,808 \$83,276 \$110,369 \$49,961 \$70,828 \$71,210 \$88,477   n/a	446 25 n/a 15 22 n/a 1 3 45 5 8 25 7 4 70 n/a 10 25 n/a 10 11 n/a 10 11 n/a 16 4 9 9	870     104       39     3       n/a     n/a       n/a     n/a       22     1       37     -2       n/a     n/a       1     0       6     2       113     19       12     1       98     5       42     4       14     1       8     1       128     45       n/a     n/a       10     5       59     11       n/a     n/a       n/a     n/a       n/a     n/a       1     0       20     2       8     0       27     -1       2     0       n/a     n/a       n/a     n/a	1,420 67 n/a n/a 38 57 n/a 2 11 177 18 161 71 22 13 243 n/a 35 95 n/a n/a 54 91 12 39 3 n/a 31 34 n/a 50 13 31 28	Bachelor's degree Associate degree	None None None None None None None None	Internship/residency None Internship/residency None Internship/residency None None None None None None None None	7	6 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 Related 6 Core 5 Core 7 Core 7 Core 7 Core 6 Core 7 Core 7 Core 7 Core 8 Core 9 Core
19-0000 Life, Physical, and Social Science Occupations    19-1011	7,526 n/a 89 154 109 193 64 136 126 n/a n/a 1,159 n/a n/a n/a n/a n/a n/a n/a n/a n/a 112 171 169 466 175 n/a n/a n/a 169 n/a 508 108  14,748 2,656 n/a 499	8,209 n/a 98 171 113 210 65 142 138 n/a n/a 1,397 n/a n/a n/a 149 n/a n/a n/a n/a n/a n/a 149 n/a n/a n/a 117 181 178 484 194 n/a n/a n/a n/a 197 n/a 539 121  15,985 2,844 n/a 518 1,461 n/a 2,320 3,267 630 301 409 489 2,037 604 536 374	683 n/a 9 17 4 17 1 6 12 n/a n/a 238 n/a	9.1% n/a 10.1% 11.0% 3.7% 8.8% 1.6% 4.4% 9.5% n/a n/a 20.5% n/a n/a n/a 6.5% n/a	\$43,901 \$70,017 \$59,587   \$82,775   n/a	162 n/a 2 4 2 3 1 2 3 n/a n/a n/a n/a n/a n/a n/a n/a	571 68 n/a n/a 8 1 14 2 8 0 14 2 4 0 10 1 9 1 n/a	801 n/a 11 20 10 19 5 13 13 n/a n/a n/a n/a n/a n/a n/a n/a	Bachelor's degree Doctoral or professional degree Bachelor's degree Master's degree Bachelor's degree Bachelor's degree Bachelor's degree Associate degree Associate degree Associate degree Associate degree Bachelor's degree	None None None None None None None None	None None None None None None None None	5 5 6 6 5 5 6 6 5 5 5 5 5 5 5 5 5 5 5 5	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 5 5 7 5 5 7 7 5 5 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 7 5 5 7	7 Core 6 Core 7 Core 6 Core 7 Core 6 Core 7 Core 5 Core 7 Core 6 Core 7 Core 7 Core 8 Core 9 Core

23-0000 Legal Occupations  A LATER 23-1011 Lawyers  C LATER 23-1012 Judicial Law Clerks  B LATER 23-1021 Administrative Law Judge  B+ LATER 23-1022 Arbitrators, Mediators, a  B LATER 23-1023 Judges, Magistrate Judge  B NEXT 23-2011 Paralegals and Legal Assi  D NEXT 23-2093 Title Examiners, Abstract  C NEXT 23-2099 Legal Support Workers, A	s, and Magistrates 161 stants 2,639 ors, and Searchers 1,014	6,551 59 47	9 14.1%	\$47,748 \$85,272 \$64,406 \$102,54 \$62,614 \$110,233 \$88,570 \$133,93 \$45,823 \$64,872 \$57,782 \$74,34 \$104,912 \$133,334 \$120,342 \$175,64 \$56,720 \$78,603 \$65,624 \$100,45 \$83,394 \$138,827 \$151,234 \$184,90 \$38,704 \$51,459 \$50,412 \$62,98 \$28,340 \$40,965 \$37,292 \$53,54 \$53,925 \$64,205 \$57,040 \$63,17	32 135 5 2 10 2 66 2 02 3 9 108 0 37	421 91 154 60 2 0 2 0 2 1 4 0 189 32 60 0 10 0	806 349 4 4 5 7 329 97 16	Doctoral or professional degree Doctoral or professional degree Doctoral or professional degree Bachelor's degree Doctoral or professional degree Associate degree High school diploma or equivalent Associate degree	None None 5 years or more Less than 5 years 5 years or more None None None	None None Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training None Moderate-term on-the-job training None	5 5 5 5 5 5 3 4 5 5 3 3 3 4 3 4 4	7 7 7 7 7 7 4 4 7 7 6 6 6 3 4 3 4	5 5 5 5 5 5 3 4 5 5 3 3 3 4 3 4 3
B LATER 25-1052 Chemistry Teachers, Posts C+ LATER 25-1053 Environmental Science To Physics Teachers, Postset Anthropology and Arche C+ LATER 25-1061 Anthropology and Arche C+ LATER 25-1062 Area, Ethnic, and Cultura B+ LATER 25-1063 Economics Teachers, Post B+ LATER 25-1065 Political Science Teachers Post Chemistry T	econdary 323 ers, Postsecondary 154 achers, Postsecondary 157 ostsecondary 157 ostsecondary 164 ostsecondary 167 ostsecondary 168 ostsecondary 169 ostsecondary 170 ostsecondary	339 11 163 29 164 7 164 7 167 164 7 168 169 16	5.0% 5.8% 7 4.5% 7 1/a 7	\$32,435 \$55,911 \$45,623 \$64,54 \$55,051 \$124,331 \$97,885 \$174,47 \$558,245 \$89,650 \$80,216 \$117,87 \$555,345 \$87,433 \$78,836 \$115,75 n/a s19,833 \$80,657 \$65,506 \$107,96 n/a n/a n/a n/a n/a s64,860 \$96,717 \$85,265 \$111,05 n/a n/a n/a n/a n/a s69,433 \$99,886 \$91,169 \$121,001 n/a n/a n/a n/a n/a s72,835 \$134,101 \$116,459 \$166,30 \$64,951 \$107,377 \$88,901 \$124,84 \$64,103 \$102,607 \$91,126 \$122,22 n/a s52,654 \$67,061 \$63,294 \$82,53 \$47,424 \$71,357 \$63,778 \$85,53 \$47,424 \$71,357 \$63,778 \$85,53 \$47,424 \$71,357 \$66,307 \$54,400 \$82,793 \$69,309 \$95,54 \$54,660 \$74,204 \$68,504 \$84,98 \$57,224 \$82,430 \$72,935 \$98,74 \$61,606 \$84,389 \$33,800 \$102,13 \$62,309 \$97,517 \$83,400 \$109,33 n/a n/a n/a n/a n/a s51,186 \$73,708 \$63,931 \$97,69 \$46,320 \$57,822 \$57,093 \$68,47 \$37,181 \$77,338 \$61,290 \$114,20 \$28,153 \$35,955 \$35,485 \$42,51 \$38,866 \$56,310 \$48,630 \$69,12 \$46,722 \$64,534 \$82,33 \$76,13 \$38,352 \$58,753 \$66,733 \$76,91 \$38,385 \$56,290 \$55,444 \$75,21 \$38,486 \$56,310 \$48,630 \$69,12 \$46,729 \$64,534 \$82,33 \$76,13 \$38,352 \$58,753 \$66,733 \$76,91 \$38,385 \$56,290 \$55,444 \$75,21 \$38,486 \$56,310 \$48,630 \$69,12 \$46,729 \$64,534 \$82,33 \$76,13 \$38,352 \$58,753 \$66,733 \$76,91 \$38,385 \$56,290 \$55,444 \$75,21 \$38,486 \$56,310 \$48,630 \$69,12 \$46,729 \$64,632 \$77,98 \$39,875 \$46,679 \$46,698 \$55,14 n/a n/a n/a n/a n/a \$38,385 \$56,250 \$55,444 \$75,27 \$38,486 \$56,310 \$48,630 \$69,12 \$46,782 \$64,572 \$46,698 \$55,14 n/a n/a n/a n/a n/a \$38,385 \$66,530 \$48,630 \$69,12 \$48,729 \$64,534 \$82,33 \$76,13 \$38,352 \$58,753 \$66,733 \$76,91 \$38,385 \$56,290 \$55,444 \$75,27 \$38,486 \$56,310 \$48,630 \$69,079 \$37,181 \$77,338 \$61,290 \$114,20 \$38,486 \$56,310 \$48,630 \$69,079 \$37,517 \$62,905 \$55,444 \$75,21 \$38,486 \$56,310 \$48,630 \$69,079 \$37,517 \$62,905 \$55,444 \$75,21 \$38,486 \$56,310 \$48,630 \$69,079 \$37,517 \$60,907 \$77,586 \$34,830 \$43,377 \$40,809 \$47,39 \$54,842 \$66,544 \$72,565 \$32,93 \$52,034 \$22,653 \$32,93 \$52	15	2,532 435 16 2 7 1 8 1 n/a	11 8 6 n/a 6 76 76 309 60 549 281 n/a 740 n/a n/a n/a n/a 18	Doctoral or professional degree Bachelor's deg	None None None None None None None None	None None None None None None None None	4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5         6           5         7           5         7           5         7           5         6           5         6           5         6           5         6           5         6           5         7           5         6           5         7           5         6           5         6           5         7           5         6
27-0000 Arts, Design, Entertainm B LATER 27-1011 Art Directors C NEXT 27-1012 Craft Artists C+ LATER 27-1013 Fine Artists, Including Pai B LATER 27-1014 Multimedia Artists and A C NEXT 27-1019 Artists and Related Work C LATER 27-1021 Commercial and Industri C LATER 27-1022 Fashion Designers F NEXT 27-1023 Floral Designers C+ LATER 27-1025 Interior Designers C LATER 27-1025 Interior Designers C LATER 27-1025 Merchandise Displayers C LATER 27-1026 Merchandise Displayers C LATER 27-1027 Set and Exhibit Designers C LATER 27-1029 Designers, All Other A NEXT 27-2011 Actors B+ LATER 27-2012 Producers and Directors B+ NEXT 27-2013 Athletes and Sports Com B LATER 27-2021 Athletes and Sports Com B LATER 27-2022 Coaches and Scouts B NEXT 27-2031 Dancers C NEXT 27-2031 Dancers C NEXT 27-2032 Choreographers B LATER 27-2041 Music Directors and Com A NEXT 27-2041 Music Directors and Com A NEXT 27-2040 Miscellaneous Entertaine B LATER 27-3041 Radio and Television And C LATER 27-3041 Radio and Television And C LATER 27-3041 Radio and Television And C LATER 27-3041 Redio and Television And C LATER 27-3041 Technical Writers C+ LATER 27-3042 Technical Writers C NEXT 27-3094 Media and Communicati B LATER 27-3094 Media and Communicati B NOW 27-3099 Media and Communicati B NEXT 27-4011 Audio and Video Equipm B NEXT 27-4011 Audio and Video Equipm B NEXT 27-4012 Broadcast Technicians C NEXT 27-4014 Sound Engineering Techr C+ NEXT 27-4015 Film and Video Editors	ent, Sports, and Media Occupations  19,136 853 n/a nters, Sculptors, and Illustrators nimators ers, All Other all Designers  174 157 979 1,988 923 and Window Trimmers 724 5 106 1,701 218 0ther Sports Officials  1,316 n/a n/a n/a sposers  1,316 n/a n/a n/a n/a sposers  262 rs and Performers, Sports and Related Wo nouncers s, and Journalists ts  2,911 293 399 697 tors ultaneous Captioners on Workers, All Other ent Technicians 1,075 156 nicians n/a 732	930 7 n/a n/ 102 1 554 5 85 4 173 - 165 8 795 -1 2,040 5 921 - 755 3 226 8 n/a n/ n/a n/ n/a n/ n/a n/ n/a n/ n/a n/ 370 10 n/a	12.7% 7 9.0% 7 9.0% 7 9.0% 7 9.9% 4 4.9% 1 -0.6% 8 5.1% 84 -18.8% 62 2.6% 2 -0.2% 61 4.3% 8 3.7% 7 9.0% 7 9.9% 7 9.9% 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$32,200 \$52,241 \$46,016 \$63,64 \$69,093 \$88,940 \$81,892 \$103,67 \$20,720 \$29,537 \$31,840 \$36,48 \$28,250 \$47,100 \$42,076 \$51,22 \$44,233 \$63,611 \$55,491 \$74,88 \$49,565 \$57,327 \$55,722 \$64,72 \$53,267 \$78,410 \$69,049 \$94,58 \$22,707 \$50,869 \$40,219 \$67,11 \$20,305 \$27,789 \$28,399 \$31,91 \$44,413 \$58,748 \$53,494 \$66,23 \$40,949 \$56,947 \$52,437 \$67,97 \$25,322 \$32,210 \$29,423 \$36,37 n/a	8 748 74 43 2 n/a 8 5 6 26 3 4 3 5 1 5 2 27 4 62 2 28 6 23 7 n/a	n/a       n/a         1,315       244         46       8         n/a       5         2       28         5       2         28       5         4       0         10       0         10       1         53       -18         120       5         55       0         44       3         13       1         n/a       n/a         n/a       n/a <t< td=""><td>2,307 97 n/a 12 59 8 15 16 62 187 83 70 21 n/a n/a 76 21 296 245 n/a n/a n/a 48 n/a 32 23 309 28 40 72 n/a 7 n/a 143 25 n/a 78 30 37</td><td>Bachelor's degree  No formal educational credential Bachelor's degree Bachelor's degree No formal educational credential Bachelor's degree Bachelor's degree Bachelor's degree High school diploma or equivalent Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Some college, no degree Bachelor's degree No formal educational credential Bachelor's degree High school diploma or equivalent No formal educational credential High school diploma or equivalent Sachelor's degree No formal educational credential No formal educational credential Bachelor's degree Postsecondary non-degree award Associate degree Postsecondary non-degree award Associate degree Postsecondary non-degree award High school diploma or equivalent Bachelor's degree Bachelor's degree Bachelor's degree</td><td>S years or more None None None None None None None Non</td><td>None Long-term on-the-job training Long-term on-the-job training None Long-term on-the-job training None None Moderate-term on-the-job training None None Short-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training Long-term on-the-job training Long-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training None Short-term on-the-job training None None None Short-term on-the-job training None None Short-term on-the-job training</td><td>3       4         4       4         4       4         4       4         3       4         5       5         3       3         3       4         3       3         3</td><td>4</td><td>5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td></t<>	2,307 97 n/a 12 59 8 15 16 62 187 83 70 21 n/a n/a 76 21 296 245 n/a n/a n/a 48 n/a 32 23 309 28 40 72 n/a 7 n/a 143 25 n/a 78 30 37	Bachelor's degree  No formal educational credential Bachelor's degree Bachelor's degree No formal educational credential Bachelor's degree Bachelor's degree Bachelor's degree High school diploma or equivalent Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Some college, no degree Bachelor's degree No formal educational credential Bachelor's degree High school diploma or equivalent No formal educational credential High school diploma or equivalent Sachelor's degree No formal educational credential No formal educational credential Bachelor's degree Postsecondary non-degree award Associate degree Postsecondary non-degree award Associate degree Postsecondary non-degree award High school diploma or equivalent Bachelor's degree Bachelor's degree Bachelor's degree	S years or more None None None None None None None Non	None Long-term on-the-job training Long-term on-the-job training None Long-term on-the-job training None None Moderate-term on-the-job training None None Short-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training Long-term on-the-job training Long-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training None Long-term on-the-job training None Short-term on-the-job training None None None Short-term on-the-job training None None Short-term on-the-job training	3       4         4       4         4       4         4       4         3       4         5       5         3       3         3       4         3       3         3	4	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
B LATER 29-1248 Surgeons, Except Ophtha B NEXT 29-1292 Dental Hygienists C+ LATER 29-1298 Acupuncturists and Healt B LATER 29-2010 Clinical Laboratory Techn C NEXT 29-2031 Cardiovascular Technolo B+ NEXT 29-2032 Diagnostic Medical Sono B NEXT 29-2033 Nuclear Medicine Technolo C+ NEXT 29-2034 Radiologic Technologists C+ NEXT 29-2035 Magnetic Resonance Ima C+ NEXT 29-2040 Emergency Medical Tech D NEXT 29-2040 Emergency Medical Tech D NEXT 29-2051 Dietetic Technicians C NEXT 29-2052 Pharmacy Technicians C NEXT 29-2053 Psychiatric Technicians C+ NEXT 29-2055 Surgical Technologists C+ NEXT 29-2056 Veterinary Technologists C+ NEXT 29-2057 Ophthalmic Medical Tech C+ NEXT 29-2057 Ophthalmic Medical Tech C+ NEXT 29-2061 Licensed Practical and Lic D NEXT 29-2081 Opticians, Dispensing C+ LATER 29-2091 Orthotists and Prosthetis C+ NEXT 29-2092 Hearing Aid Specialists C+ NEXT 29-2098 Medical Dosimetrists, Medical Technologists C+ NEXT 29-2098 Medical Dosimetrists, Medical Technologists C+ NEXT 29-2099 Athletic Trainers A LATER 29-9091 Athletic Trainers	Allists	386 3 1,032 5 n/a n/a 672 6 270 1 2,820 -7 813 18 69 -1 1,219 19 2,495 39 294 2 143 1,510 30 1,279 23 128 1 n/a n/a n/a n/a s35,347 2,8 326 3 47 4 3,694 1,1 239 2 125 -4 3,801 13 n/a 1,392 2 85 1 1,839 14 2,966 20 n/a n/a 3,916 13 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 n/a n/a 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 n/a n/a 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 1,003 10 865 7 470 66 353 3 4,746 23 7,966 20 7,96	72 -2.5% 85 29.5% 1 -1.4% 51 14.1% 97 18.9% 66 9.7% 6 4.4% 02 25.0% 33 22.3% 3 11.3% 7a n/a 812 8.6% 85 12.0% 4 9.3% 14.4% 12 10.1% 4 -3.1% 33 3.6% 7a n/a 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 45 8.6% 13 1.7% 1 1.2% 46 8.6% 13 1.7% 1 1.2% 47 9.9% 18 8.8% 18 7.5% 18 8.5% 19 9.9% 19 9.9% 10 8.8% 11 1.4% 11 15.4% 12 15.4% 13 15.4% 14 15.4% 15 15.4% 16 16 18% 17 15 18% 18 18% 18 18% 18 18% 18 18 18% 18 18 18% 18 18 18% 18 18 18% 18 18 18% 18 18 18% 18 18 18 18% 18 18 18 18 18 18 18 18 18 18 18 18 18 1	\$46,510 \$75,972 \$62,327 \$86,14 \$54,902 \$130,899 \$89,504 \$200,21 \$99,965 \$153,253 \$159,354 n/a \$293,916 n/a n/a \$50,400 \$62,849 \$61,587 \$74,90 \$98,223 \$121,985 \$121,339 \$148,28 \$116,911 \$127,751 \$131,751 \$149,94 \$37,468 \$83,108 \$97,245 \$116,72 \$61,009 \$121,474 \$98,743 \$158,46 \$59,219 \$74,527 \$76,983 \$91,14 \$68,584 \$83,221 \$84,942 \$97,36 \$64,696 \$78,594 \$76,438 \$91,91 \$42,915 \$52,846 \$49,487 \$62,02 \$76,446 \$95,830 \$93,021 \$112,04 \$41,834 \$54,404 \$49,667 \$63,49 n/a n/a n/a n/a n/a \$74,822 \$96,419 \$99,957 \$121,68 \$753,287 \$68,561 \$66,696 \$82,17 \$141,526 \$169,588 \$163,946 \$194,58 \$105,608 \$122,965 \$120,651 \$139,46 \$92,225 \$105,878 \$103,220 \$118,21 \$68,915 \$73,217 \$74,411 \$79,90 n/a \$286,499 n/a n/a \$87,108 \$126,766 \$94,567 \$102,02 \$68,915 \$73,217 \$74,411 \$79,90 n/a \$286,499 n/a n/a \$87,108 \$126,766 \$94,567 \$102,02 \$68,915 \$73,217 \$74,411 \$79,90 n/a \$286,499 n/a n/a \$55,465 \$64,341 \$62,995 \$74,37 \$200,966 \$271,433 n/a n/a \$157,963 \$236,708 n/a n/a \$55,465 \$64,341 \$62,995 \$74,37 \$53,465 \$78,032 \$63,189 \$92,57 \$33,052 \$50,864 \$46,476 \$66,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$62,451 \$72,767 \$72,039 \$81,04 \$61,464 \$74,057 \$73,556 \$86,56 \$63,884 \$93,044 \$94,567 \$94,505 \$64,304 \$94,805 \$94,507 \$93,31 \$64,	13 5 18 n/a 8 21 18 5 16 53 11 51 2 25 5 45 6 5 7 4 7 29 19 27 3 4 n/a 8 906 8 1 15 6 5 6 5 2 60 n/a 1 22 1 4 63 9 6 9 129 7 12 5 22 1 4 63 9 6 9 129 7 12 5 22 5 7 3 44 2 17 9 53 2 n/a 0 105 5 26 0 23 0 12 6 9 4 156 0 10 4 n/a 5 4 8 5 1 n/a n/a	2,570 797 3 8 6 n/a n/a 22 6 3 2 55 -7 28 18 3 0 37 15 48 40 9 3 6 1 34 30 42 23 4 1 n/a n/a n/a n/a n/a n/a 854 281 9 4 1 0 97 119 5 2 1 0 42 13 n/a 166 2 1 0 44 14 2 0 186 47 18 3 34 14 11 2 70 13 26 4 132 21 n/a n/a 166 11 41 11 36 7 19 6 14 4 193 24 11 11 11 11 11 11 11 11 11 11 11 11 11	78 66 37 27 373 19 n/a 12 240 n/a n/a	Doctoral or professional degree Doctoral or professional degree Bachelor's degree Doctoral or professional degree Bachelor's degree Doctoral or professional degree Master's degree Doctoral or professional degree Master's degree Doctoral or professional degree Master's degree Doctoral or professional degree Associate degree Bachelor's degree Associate degree Bachelor's degree Bachelor's degree Bachelor's degree Bachelor's degree Master's degree Master's degree Master's degree Master's degree Master's degree Doctoral or professional degre	None None None None None None None None	None Internship/residency Internship/residency None None None Internship/residency None None None None None None None None	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	6
B+ NOW 31-1120 Home Health and Person B NEXT 31-1131 Nursing Assistants D NOW 31-1132 Orderlies F NOW 31-1133 Psychiatric Aides B+ NEXT 31-2011 Occupational Therapy As D NEXT 31-2012 Occupational Therapy As D NEXT 31-2012 Physical Therapist Assista C+ NOW 31-2022 Physical Therapist Aides B NEXT 31-9011 Massage Therapists C+ NEXT 31-9091 Dental Assistants C+ NEXT 31-9092 Medical Assistants C NEXT 31-9093 Medical Equipment Prep D NEXT 31-9094 Medical Transcriptionists F NOW 31-9095 Pharmacy Aides C+ NOW 31-9096 Veterinary Assistants and B NEXT 31-9097 Phlebotomists C+ NEXT 31-9099 Healthcare Support World  33-0000 Protective Service Occup D NEXT 33-1011 First-Line Supervisors of B NEXT 33-1012 First-Line Supervisors of	al Care Aides  33,152 11,993 n/a n/a sistants des n/a ants  867 n/a 1,127 1,809 4,303 arers 729 n/a n/a d Laboratory Animal Caretakers 791 735 kers, All Other  458  Correctional Officers Police and Detectives Fire Fighting and Prevention Workers Supervisors, Protective Service Workers 511 n/a	2 67,181 9,2 39,921 6,7 3 12,618 62 n/a n/ n/a n/ 596 16 n/a n/ 1,160 29 n/a n/ 1,338 22 1,963 19 4,967 66 770 4 n/a n/ n/a n/ n/a n/ 910 12 922 18 500 4  25,250 2,3 82 -4 966 4 587 3 569 5 n/a n/	249 16.0% 769 20.4% 25 5.2% /a n/a /a n/a 66 38.6% /a n/a 93 33.8% /a n/a 11 18.7% 54 8.5% 64 15.4% 61 5.6% /a n/a 19 15.0% 87 25.4% 62 9.2%  381 10.4% 64 -4.7% 66 5.0% 61 5.6%	\$31,126 \$56,002 \$45,217 \$76,07 \$22,653 \$29,349 \$25,824 \$32,27 \$21,966 \$26,856 \$24,244 \$27,48 \$22,657 \$27,153 \$26,088 \$30,57 \$21,989 \$26,536 \$24,527 \$28,82 n/a n/a n/a n/a n/a \$50,049 \$56,183 \$56,678 \$62,51 \$34,026 \$45,129 \$38,071 \$44,34 \$46,043 \$52,348 \$52,419 \$60,15 \$24,958 \$31,762 \$29,364 \$34,44 \$22,679 \$39,295 \$32,436 \$51,06 \$34,213 \$40,466 \$41,171 \$47,78 \$30,380 \$35,161 \$35,393 \$39,83 \$28,583 \$33,578 \$32,464 \$38,02 \$36,537 \$41,732 \$41,943 \$48,10 \$20,407 \$24,328 \$21,147 \$25,31 \$27,857 \$33,039 \$34,351 \$38,70 \$26,422 \$32,857 \$32,638 \$38,14 \$31,297 \$44,700 \$38,829 \$49,74 \$30,614 \$51,116 \$43,845 \$69,38 \$44,609 \$53,504 \$51,726 \$61,24 \$81,366 \$94,677 \$95,437 \$107,75 \$63,151 \$83,434 \$90,326 \$103,49 \$45,773 \$58,971 \$54,284 \$66,76 \$45,449 \$63,697 \$66,866 \$80,01 n/a n/a n/a n/a \$29,228 \$35,119 \$34,105 \$38,94	5 3,776 9 2,339 6 788 0 n/a n/a 7 26 6 n/a 0 43 4 n/a 6 72 4 86 0 190 5 42 6 n/a 0 n/a 1 42 3 36 9 26 8 1,168 3 3 66 21 67 14 9 20 9 n/a n/a	3,763 925 2,069 677 697 62 n/a n/a n/a n/a 38 17 n/a n/a 76 29 n/a n/a 64 21 132 15 346 66 49 4 n/a n/a n/a n/a 94 12 60 19 32 4  1,590 238 4 0 39 5 23 3 32 6 n/a 0	8,464 5,085 1,547 n/a n/a 81 n/a 148 n/a 157 233 602 95 n/a n/a 148 115 62  2,996 7 65 40 58 n/a n/a	High school diploma or equivalent Postsecondary non-degree award High school diploma or equivalent High school diploma or equivalent Associate degree High school diploma or equivalent Associate degree High school diploma or equivalent Postsecondary non-degree award Postsecondary non-degree award High school diploma or equivalent Postsecondary non-degree award High school diploma or equivalent Postsecondary non-degree award Postsecondary non-degree award Postsecondary non-degree award High school diploma or equivalent	None None None None None None None None	Short-term on-the-job training None Short-term on-the-job training Short-term on-the-job training None Short-term on-the-job training None Short-term on-the-job training None None None Moderate-term on-the-job training None Short-term on-the-job training None Short-term on-the-job training None None None  None  None Long-term on-the-job training Moderate-term on-the-job training None Long-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3       3         3       3         4       4         3       4         4       4         3       3         3       3         3       3         3       3         3       3         3       3         3       3         3       3         3       3         3       3         3       4         5       3         5       5         3       3         4       5         3       4         5       5         3       3	3 4 3 4 3 3 3 3 4 4 4 4 4 4 3 4 4 4 4 4	4 4 Related  3 4 3 4 3 3 3 4 4 4 4 4 3 3 3 4 4 4 3 4 3

D C+ D D B n/a C+ C+ B B+ C+ B D C+ B A C C+ n/a A C D B A B+ B B+ B B+	NEXT NEXT NEXT NEXT NEXT NEXT NEXT NOW NOW NOW NOW NOW NOW NEXT NOW NEXT NOW NEXT NOW NOW NOW NOW NOW NOW NOW NOW NOW NOW	33-3012 Correctional Officers and Jailers 33-3021 Detectives and Criminal Investigators 33-3031 Fish and Game Wardens 33-3041 Parking Enforcement Workers 33-3052 Police and Sheriff's Patrol Officers 33-9011 Animal Control Workers 33-9021 Private Detectives and Investigators 33-9032 Security Guards 33-9092 Lifeguards, Ski Patrol, and Other Recreational Protective Service Wo 33-9093 School Bus Monitors and Protective Service Workers, All Other  35-000 Food Preparation and Serving Related Occupations 35-1011 Chefs and Head Cooks 35-1012 First-Line Supervisors of Food Preparation and Serving Workers 35-2012 Cooks, Fast Food 35-2012 Cooks, Private Household 35-2014 Cooks, Restaurant 35-2015 Cooks, All Other 35-2016 Cooks, All Other 35-2017 Food Preparation Workers 35-3018 Bartenders 35-3010 Bartenders 35-3011 Bartenders 35-3011 Dining Room and Cafeteria Attendants and Bartender Helpers 35-9021 Dishwashers 35-9031 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop 35-9099 Food Preparation and Serving Related Workers, All Other	1,264 674 55 n/a 5,709 n/a 99 n/a 1,655 337 693  84,934 516 6,415 2,867 3,884 n/a 10,232 435 n/a 10,232 435 n/a 5,909 3,991 22,825 16,546 2,940 3,040 1,942 2,570 758	1,172 696 57 n/a 6,021 n/a 113 n/a 113 n/a 8,847 n/a 2,019 331 758  103,873 640 7,910 2,873 4,006 n/a 15,517 475 n/a 6,657 5,344 26,389 20,094 3,391 3,922 2,336 3,284 969	-92 22 2 n/a 312 n/a 14 n/a 1,325 n/a 364 -6 65  18,939 124 1,495 6 122 n/a 5,285 40 n/a 748 1,353 3,564 3,548 451 882 394 714 211	-7.3% \$32,198 \$36,602 \$36,039 \$40, 3.3% \$67,669 \$85,744 \$79,072 \$100 3.6% \$29,064 \$37,906 \$35,332 \$41, n/a n/a n/a n/a n/a n/a 5.5% \$55,259 \$65,197 \$65,810 \$76, n/a n/a n/a n/a n/a n/a 14.1% \$32,352 \$37,117 \$36,415 \$40, n/a 17.6% \$27,399 \$36,130 \$32,452 \$39, n/a n/a n/a n/a n/a n/a 22.0% \$19,814 \$22,773 \$20,558 \$24, -1.8% \$36,336 \$41,398 \$40,533 \$43, 9.4% \$24,629 \$43,014 \$31,545 \$58,  22.3% \$20,375 \$26,376 \$23,755 \$29, 24.0% \$29,133 \$48,262 \$41,645 \$61, 23.3% \$27,940 \$36,708 \$33,098 \$45, 0.2% \$19,809 \$21,827 \$21,012 \$23, 3.1% \$22,025 \$27,379 \$25,828 \$31, n/a n/a n/a n/a n/a n/a 51.7% \$22,019 \$27,958 \$26,404 \$31, 9.2% \$20,648 \$26,821 \$24,574 \$31, n/a n/a n/a n/a n/a 12.7% \$20,213 \$24,176 \$22,439 \$25, 33.9% \$19,948 \$27,951 \$21,657 \$35, 15.6% \$20,801 \$25,107 \$23,649 \$26, 21.4% \$19,895 \$24,801 \$20,703 \$26, 15.3% \$22,260 \$26,505 \$25,609 \$29, 29.0% \$20,178 \$24,234 \$21,710 \$25, 20.3% \$21,245 \$24,974 \$23,881 \$26, 27.8% \$19,985 \$22,631 \$20,327 \$24,  7.9% \$23,630 \$31,579 \$28,942 \$35,	.566       18         .259       3         a       n/a         .816       147         a       n/a         .633       3         a       n/a         .932       434         .066       253         .847       12         .011       100         .250       7,09         .933       17         .434       320         .392       169         .220       232         a       n/a         .495       758         .434       27         a       n/a         .861       212         .862       250         .137       300         .645       163         .995       347         .790       74	32 3 n/a 7 298 n/a 6 n/a n/a 6 n/a 1 634 n/a 204 17 0 80 57 7 30 246 2 338 n/a 1,102 39 n/a 4 578 2 266 2 39 n/a 4 578 2 566 2 2,602 15 2,188 0 247 0 301 1 179 7 330 75	-9 10 2 5: 0 6 n/a n/ 31 47 n/a n/ 1 10 n/a n/ 1 32 n/a n/ 36 49 -1 28 6 18  1,894 18,5 12 86 150 1,2 1 41 12 58 n/a n/ 528 2,3 4 70 n/a n/ 528 2,3 4 70 n/a n/ 75 1,1 135 91 356 5,3 355 3,8 45 54 88 68 39 37 71 74 21 17	High school diploma or equivalent Bachelor's degree High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential	None Less than 5 years None None None None None Less than 5 years Less than 5 years None None None None None None None None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training	3       3         3	3 4 3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3	4 4 4 4 4 4 4 4 4 4 4 4 4 3 3 3 3 3 3 3	3 4 3 3 3 4 4 3 3 3 4 4 3 3 4 6 3 4 3 4	3 4 4 4 4 4 4 4 4 4 4 3 4 4 3 4 3 4 3 4
C B B C C+ B C C	NEXT NEXT NOW NOW NEXT NOW NEXT NOW NOW	37-1011 First-Line Supervisors of Housekeeping and Janitorial Workers 37-1012 First-Line Supervisors of Landscaping, Lawn Service, and Groundske 37-2011 Janitors and Cleaners, Except Maids and Housekeeping Cleaners 37-2012 Maids and Housekeeping Cleaners 37-2019 Building Cleaning Workers, All Other 37-2021 Pest Control Workers 37-3011 Landscaping and Groundskeeping Workers 37-3012 Pesticide Handlers, Sprayers, and Applicators, Vegetation 37-3013 Tree Trimmers and Pruners 37-3019 Grounds Maintenance Workers, All Other	1,827 929 15,735 6,741 n/a n/a 7,825 n/a 859 n/a	1,943 963 16,681 7,591 n/a n/a 8,480 n/a 926 n/a	116 34 946 850 n/a n/a 655 n/a 67 n/a	6.4% \$32,236 \$41,686 \$39,220 \$48, 3.7% \$43,546 \$59,942 \$58,758 \$78, 6.0% \$23,129 \$30,738 \$28,369 \$33, 12.6% \$21,281 \$25,104 \$23,714 \$26, n/a n/a n/a n/a n/a n/a n/a \$28,307 \$38,622 \$36,415 \$46, 8.4% \$27,789 \$32,971 \$31,823 \$37, n/a \$34,438 \$40,025 \$40,318 \$47, 7.8% \$34,014 \$41,530 \$40,023 \$49, n/a	974 81 403 29 804 1,01 628 487 a n/a 935 n/a 757 351 660 n/a	130 68 12 1,136 7 461 a n/a a n/a 1 699 a n/a 76	12 22 3 10 95 2,2 85 1,0 n/a n/ n/a n/ 66 1,1 n/a n/ 7 12 n/a n/	High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	Less than 5 years Less than 5 years None None None None None None None None	None None Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training	3 4 5 5 3 3 3 3 3 3 3 4 3 3 3 3 3 3 3 3 3 3	3 5 3 3 3 3 3 3	4 5 3 3 4 3 3 3	3 4 3 3 3 3 3 4 3	4 4 3 3 3 4 4 4 4
B B C + B + B B B B C B D F F C C + C + C A B C C	NEXT NEXT NOW NOW NOW NOW NOW NOW NOW NOW NOW NOW	39-0000 Personal Care and Service Occupations 39-1013 First-Line Supervisors of Gambling Services Workers 39-1098 First-Line Supervisors of Personal Service & Entertainment and Recr 39-2011 Animal Trainers 39-2021 Nonfarm Animal Caretakers 39-3011 Gaming Dealers 39-3012 Gaming and Sports Book Writers and Runners 39-3019 Gaming Service Workers, All Other 39-3021 Motion Picture Projectionists 39-3031 Ushers, Lobby Attendants, and Ticket Takers 39-3091 Amusement and Recreation Attendants 39-3092 Costume Attendants 39-3093 Locker Room, Coatroom, and Dressing Room Attendants 39-3099 Entertainment Attendants and Related Workers, All Other 39-4011 Embalmers 39-4021 Funeral Attendants 39-4031 Morticians, Undertakers, and Funeral Directors 39-5012 Hairdressers, Hairstylists, and Cosmetologists 39-5092 Manicurists and Pedicurists 39-5094 Skincare Specialists 39-6012 Concierges 39-7010 Tour and Travel Guides 39-9011 Childcare Workers 39-9031 Fitness Trainers and Aerobics Instructors 39-9032 Crematory Operators and Personal Care and Service Workers, All Ot	n/a n/a 296 3,408 n/a n/a n/a n/a n/a 1,179 1,604 n/a 380 n/a n/a n/a n/a n/a 1,96 79 274 620 7,868 3,587 3,089 109 127	n/a n/a 338 4,140 n/a n/a n/a n/a n/a 1,752 1,902 n/a 430 n/a n/a n/a n/a n/a n/a 1,75469 n/a 227 113 458 739 7,831 4,665 3,462 114 144	n/a	13.2%         \$20,942         \$30,080         \$25,256         \$34,41           n/a         n/a         n/a         n/a         n/a           n/a         \$34,415         \$44,105         \$42,257         \$51,14.2%         \$24,698         \$35,032         \$31,763         \$40,257           21.5%         \$20,867         \$27,960         \$24,930         \$32,252           n/a         n/a         n/a         n/a         n/a           n/a	a n/a 513 n/a 513 n/a 513 n/a 749 15 049 242 a n/a a n/a a n/a 275 186 567 173 a n/a 260 40 a n/a 502 n/a a n/a 820 n/a 326 n/a 326 n/a 326 n/a 3275 117 11 641 5 350 19 482 44 272 528 884 242 916 6	n/a n/a n/a 23 23 313 n/a n/a n/a n/a n/a n/a n/a 149 1 196 n/a 45 n/a	425     5,3       n/a     n/       n/a     n/       4     42       73     62       n/a     n/       n/a     n/       n/a     n/       57     39       30     39       n/a     n/       5     90       n/a     n/       3     2!       3     1!       18     6!       12     11       -4     1,0       108     74       37     54       0     10       2     20	High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent Associate degree High school diploma or equivalent Associate degree Postsecondary non-degree award Postsecondary non-degree award Postsecondary non-degree award High school diploma or equivalent	Less than 5 years Less than 5 years None None None None None None None None	None  Moderate-term on-the-job training Short-term on-the-job training Long-term on-the-job training Long-term on-the-job training None None None None Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training	8       8         3       4         3       3         3	8 3 3 3 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3	8 4 3 4 3 4 3 4 3 6 3 6 3 3 3 4 4 4 4 4 4	8 3 3 3 3 3 3 3 4 3 3 4 4 3 3 4 4 3 3 3 3 3 4 3 3	8 4 4 3 3 3 4 4 3 4 4 3 4 4 3 4 4 3 4 3
C+ B C C+ C+ C+ A C+ A C+ A C B B F D	NEXT NEXT NOW NOW NOW NEXT NOW NEXT LATER NEXT LATER NEXT NEXT LATER NEXT NEXT LATER NEXT NOW NOW NEXT NOW NOW NEXT NEXT NOW NOW NOW NOW NOW NOW NOW NOW NOW	<ul> <li>41-0000 Sales and Related Occupations</li> <li>41-1011 First-Line Supervisors of Retail Sales Workers</li> <li>41-1012 First-Line Supervisors of Non-Retail Sales Workers</li> <li>41-2011 Cashiers</li> <li>41-2012 Gaming Change Persons and Booth Cashiers</li> <li>41-2021 Counter and Rental Clerks</li> <li>41-2022 Parts Salespersons</li> <li>41-2031 Retail Salespersons</li> <li>41-3011 Advertising Sales Agents</li> <li>41-3021 Insurance Sales Agents</li> <li>41-3031 Securities, Commodities, and Financial Services Sales Agents</li> <li>41-3041 Travel Agents</li> <li>41-3091 Sales Representatives of Services, Except Advertising, Insurance, Fin</li> <li>41-4011 Sales Representatives, Wholesale and Manufacturing, Technical and</li> <li>41-4012 Sales Representatives, Wholesale and Manufacturing, Except Techn</li> <li>41-9011 Demonstrators and Product Promoters</li> <li>41-9012 Models</li> <li>41-9021 Real Estate Brokers</li> <li>41-9031 Sales Engineers</li> <li>41-9041 Telemarketers</li> <li>41-9091 Door-to-Door Sales Workers, News and Street Vendors, and Related</li> <li>41-9099 Sales and Related Workers, All Other</li> </ul>	8,025 3,112 19,311 n/a 1,636 n/a 28,734 1,009 6,243 5,451 632 6,017 3,204 9,163 220 n/a n/a 3,615 624 836 n/a 1,261	101,835 7,336 3,008 17,087 n/a 1,717 n/a 28,041 1,103 6,956 5,674 680 6,589 3,512 9,863 245 n/a n/a 3,779 684 723 n/a 1,187	-1,000 -689 -104 -2,224 n/a 81 n/a -693 94 713 223 48 572 308 700 25 n/a n/a 164 60 -113 n/a -74	-1.0% \$24,056 \$49,805 \$33,520 \$58,   -8.6% \$33,498 \$44,132 \$40,148 \$52,   -3.3% \$58,952 \$89,397 \$78,206 \$106,   -11.5% \$21,078 \$25,601 \$23,669 \$27,   n/a n/a n/a n/a n/a n/a   5.0% \$23,449 \$39,023 \$35,861 \$47,   n/a \$22,717 \$33,964 \$30,616 \$43,   -2.4% \$22,323 \$32,945 \$26,484 \$34,   9.3% \$25,066 \$49,728 \$37,356 \$54,   11.4% \$39,352 \$72,547 \$54,793 \$83,   4.1% \$47,922 \$89,147 \$74,081 \$113,   7.6% \$30,633 \$44,103 \$38,670 \$53,   9.5% \$41,738 \$71,764 \$59,745 \$89,   9.6% \$60,790 \$96,736 \$82,049 \$114,   7.6% \$46,159 \$81,848 \$63,628 \$96,   11.4% \$24,073 \$39,124 \$30,935 \$41,   n/a n/a n/a n/a n/a n/a n/a   n/a n/a n/a n/a n/a   1.45% \$30,986 \$66,783 \$54,470 \$78,   9.6% \$50,674 \$85,171 \$76,428 \$116,   -13.5% \$23,684 \$32,949 \$31,238 \$38,   n/a \$22,616 \$29,350 \$27,497 \$31,   -5.9% \$22,329 \$28,681 \$25,143 \$30,   \$30,986 \$62,049 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$54,470 \$78,   9.6% \$50,674 \$85,171 \$76,428 \$116,   -13.5% \$23,684 \$32,949 \$31,238 \$38,   1.4 \$22,616 \$29,350 \$27,497 \$31,   -5.9% \$22,329 \$28,681 \$25,143 \$30,   \$30,986 \$62,049 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$54,470 \$78,   9.6% \$50,674 \$85,171 \$76,428 \$116,   -13.5% \$23,684 \$32,949 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,783 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,788 \$22,449 \$31,238 \$38,   1.45% \$30,986 \$66,788 \$32,949 \$31,238 \$38,   1.45% \$30,986 \$66,789	745 271 ,971 89 109 1,54 a n/a 163 75 953 n/a 415 1,58 126 32 089 220 ,535 123 465 32 279 158 ,178 99 451 281 777 26 a n/a a n/a a n/a 665 154 ,731 13 963 36 794 n/a	1 532 182 18 1,742 1	-100 12,7 -69 73 -10 26 -222 3,0 n/a n/ 8 19 n/a n/ -69 3,8 9 13 71 66 22 49 5 83 57 76 31 35 70 99 2 43 n/a n/ n/a n/ 16 33 6 73 -11 10 n/a n/ -7 14	High school diploma or equivalent High school diploma or equivalent No formal educational credential High school diploma or equivalent Bachelor's degree High school diploma or equivalent High school diploma or equivalent Bachelor's degree High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent Bachelor's degree No formal educational credential High school diploma or equivalent Bachelor's degree No formal educational credential High school diploma or equivalent Bachelor's degree	Less than 5 years Less than 5 years None None None None None None None None	None Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training None None Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training None None	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 3 3 3 3 3 5 4 4 4 4 4 4 3 3 3 3 3 3	4 5 3 3 4 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	4 4 3 3 4 4 4 4 4 4 4 3 3 3 4 3 3 3 3 3	4 4 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
В F F D D C B C D D C D B C D B C F C D D D C C C B D C C D D C D C C C D B C D F D C D C F C C C	NEXT NOW NOW NEXT NEXT NOW	43-0000 Office and Administrative Support Occupations 43-1011 First-Line Supervisors of Office and Administrative Support Workers 43-2021 Switchboard Operators 43-2021 Clephone Operators 43-2039 Communications Equipment Operators, All Other 43-3011 Bill and Account Collectors 43-3021 Billing and Posting Clerks 43-3031 Billing and Posting Clerks 43-3031 Bookkeeping, Accounting, and Auditing Clerks 43-3031 Payroll and Timekeeping Clerks 43-3051 Payroll and Timekeeping Clerks 43-3061 Procurement Clerks 43-3071 Tellers 43-3099 Financial Clerks, All Other 43-4011 Brokerage Clerks 43-4021 Correspondence Clerks 43-4021 Court, Municipal, and License Clerks 43-4031 Court, Municipal, and License Clerks 43-4051 Customer Service Representatives 43-4061 Eligibility Interviewers, Covernment Programs 43-4071 File Clerks 43-4081 Hotel, Motel, and Resort Desk Clerks 43-4081 Interviewers, Except Eligibility and Loan 43-4121 Library Assistants, Clerical 43-4131 Loan Interviewers and Clerks 43-4141 New Accounts Clerks 43-4151 Order Clerks 43-4161 Human Resources Assistants, Except Payroll and Timekeeping 43-4171 Receptionists and Information Clerks 43-4181 Reservation and Transportation Ticket Agents and Travel Clerks 43-4191 Information and Record Clerks, All Other 43-5011 Cargo and Freight Agents 43-5012 Couriers and Messengers 43-5021 Couriers and Messengers 43-5032 Dispatchers, Except Police, Fire, and Ambulance 43-5041 Pootation, Planning, and Expediting Clerks 43-5052 Postal Service Clerks 43-5051 Schal Service Clerks 43-5061 Service Mail Sorters, Processors, and Processing Machine Opt 43-5071 Shipping, Receiving, and Traffic Clerks 43-5071 Shipping, Receiving, and Traffic Clerks 43-5081 Porduction, Planning, and Expediting Clerks 43-5091 Sotal Service Mail Sorters, Processors, and Processing Machine Opt 43-5061 Podduction, Planning, and Expediting Clerks 43-5071 Shipping, Receiving and Professors and Expediting Clerks 43-5071 Shipping, Receiving and Professors and Processing Clerks 43-5071 Shipping, Receiving and Professors	162,258 10,005 487 n/a n/a 2,574 4,704 11,573 n/a 981 510 2,474 n/a n/a 1,548 197 23,386 1,058 855 1,038 2,820 176 3,260 1,528 1,071 743 5,654 470 1,223 1,130 725 844 1,448 n/a 541 2,612 1,154 2,660 8,453 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 6,026 1,021 6,852 17,460 1,243 64 n/a 4,438 608 23,230 365 n/a 808 23,230 365 n/a 808	9,750 372 n/a n/a 2,308 4,675 11,214 n/a 847 488 2,058 n/a n/a 1,576 188 23,651 1,049 721 1,334 2,698 168 3,142 1,298 883 704 5,579 512 1,253 1,346 683 900 1,581 n/a 500 2,410 1,012 2,847 8,104 n/a 4,907 812 7,533 16,051 988 43 n/a 4,659 588 22,742 320 n/a n/a 503	-4,697 -255 -115 n/a n/a -266 -29 -359 n/a -134 -22 -416 n/a n/a 28 -9 265 -9 -134 296 -122 -8 -118 -230 -188 -39 -75 42 30 216 -42 56 133 n/a -41 -202 -142 187 -349 n/a -1,119 -209 681 -1,409 -255 -21 n/a 210 -488 -45 n/a 40 -41 3	-2.9% \$31,787 \$42,473 \$39,033 \$50, -2.6% \$49,830 \$65,468 \$62,634 \$78, -23.6% \$26,241 \$29,876 \$29,332 \$32, n/a	549       367         506       22         a       n/a         a       p98         898       89         696       192         851       668         a       n/a         679       43         083       14         391       92         152       n/a         667       76         633       7         442       1,10         090       39         925       43         666       69         754       159         542       15         209       92         656       45         683       42         505       28         238       313         267       19         311       50         452       29         882       31         450       53         517       n/a         900       24         030       87         727       59         141       3         098       n/a	604 25 n/a n/a 173 288 8 582 n/a 50 32 142 n/a n/a n/a n/a n/a 178 12 16 1,850 54 49 126 178 11 188 88 61 44 388 61 44 44 388 61 44 48 48 48 48 48 48 48 48 48 48 48 48	-470 16,8 -26 94 -12 3! n/a n/ n/a n/ -27 23 -3 47 -36 1,2 n/a n/ -13 80 -2 44 -42 19 n/a n/ 15 -1 18 -26 2,9 -1 92 -13 79 -30 22 -1 29 -13 79 -30 22 -1 29 -14 80 -4 68 -8 69 -4 58 -4 68 -8 69 -4 68 -8 69 -4 68 -8 69 -4 68 -8 69 -4 68 -8 69 -4 68 -8 69 -4 68 -8 69 -4 68 -8 69 -2 14 -4 68 -8 69 -2 14 -4 68 -8 69 -2 14 -4 68 -8 69 -2 14 -4 68 -112 47 -21 75 -14 80 -112 47 -21 75 -14 80 -15 -15 -14 80 -15 -15 -16 -17 -17 -18 -18 -18 -18 -18 -18 -18 -18 -18 -18	High school diploma or equivalent Some college, no degree High school diploma or equivalent High school dipl	Less than 5 years  None None None None None None None Non	None Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training	3 4 3 3 6 6 3 3 4 4 4 4 3 3 3 3 4 4 4 3 3 3 3	3 4 4 8 4 3 3 3 3 4 4 3 3 3 3 4 4 3 3 3 3	4 4 4 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 3 3 6 4 3 3 3 4 4 3 4 3 3 3 4 4 3 3 3 3	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
C D D C D F D C C+ D n/a	NEXT LATER NOW NOW NEXT NOW NOW NEXT NEXT NEXT NEXT NEXT	45-1011 First-Line Supervisors of Farming, Fishing, and Forestry Workers 45-2011 Agricultural Inspectors 45-2021 Animal Breeders 45-2041 Graders and Sorters, Agricultural Products 45-2091 Agricultural Equipment Operators 45-2092 Farmworkers and Laborers, Crop, Nursery, and Greenhouse 45-2093 Farmworkers, Farm, Ranch, and Aquacultural Animals 45-2099 Agricultural Workers, All Other 45-4011 Forest and Conservation Workers 45-4021 Fallers 45-4022 Logging Equipment Operators 45-4023 Log Graders and Scalers 45-4029 Logging Workers, All Other	80 n/a n/a n/a n/a 364 n/a n/a n/a n/a n/a	83 n/a n/a n/a n/a 349 n/a n/a n/a n/a	3 n/a n/a n/a n/a n/a -15 n/a n/a n/a n/a n/a	3.8% \$44,446 \$58,044 \$49,089 \$62,   n/a	a n/a a n/a a n/a a n/a a n/a 835 n/a 954 15 a n/a 430 n/a a n/a a n/a	n/a n/a n/a n/a n/a n/a n/a n/a 41 n/a n/a n/a n/a n/a n/a n/a n/a n/a	0 1: n/a n/ n/a n/ n/a n/ n/a n/ n/a n/ n/a n/ -2 54 n/a n/	High school diploma or equivalent No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent	Less than 5 years None None None None None None None None	None  Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training	4 4 5 5 5 3 4 4 3 3 3 3 3 3 3 3 3 3 3 3	3 5 3 4 3 3 4 3 3 3 3	5 5 3 4 3 3 5 3 3 3	5 4 3 4 3 3 4 3 3 3 3	5 4 3 4 3 3 4 4 4 4 3
A C C+ F A C C+ B C+ B C+ B C B+ B	NEXT NEXT NEXT NEXT NEXT NEXT NEXT NEXT	<ul> <li>47-0000 Construction and Extraction Occupations</li> <li>47-1011 First-Line Supervisors of Construction Trades and Extraction Worker</li> <li>47-2021 Boilermakers</li> <li>47-2021 Brickmasons and Blockmasons</li> <li>47-2022 Stonemasons</li> <li>47-2031 Carpenters</li> <li>47-2041 Carpet Installers</li> <li>47-2042 Floor Layers, Except Carpet, Wood, and Hard Tiles</li> <li>47-2043 Floor Sanders and Finishers</li> <li>47-2044 Tile and Marble Setters</li> <li>47-2051 Cement Masons and Concrete Finishers</li> <li>47-2053 Terrazzo Workers and Finishers</li> <li>47-2061 Construction Laborers</li> <li>47-2071 Paving, Surfacing, and Tamping Equipment Operators</li> <li>47-2073 Operating Engineers and Other Construction Equipment Operators</li> <li>47-2081 Drywall and Ceiling Tile Installers</li> <li>47-2082 Tapers</li> <li>47-2111 Electricians</li> <li>47-2121 Glaziers</li> <li>47-2121 Insulation Workers, Floor, Ceiling, and Wall</li> <li>47-2132 Insulation Workers, Mechanical</li> <li>47-2141 Painters, Construction and Maintenance</li> <li>47-2151 Pipelayers</li> <li>47-2152 Plumbers, Pipefitters, and Steamfitters</li> <li>47-2161 Plasterers and Stucco Masons</li> </ul>	49,376 3,838 n/a 1,100 n/a 9,675 426 n/a n/a 414 892 n/a 8,264 339 1,862 n/a 120 4,972 434 n/a 496 3,143 n/a 3,489 n/a	54,487 4,300 n/a 1,090 n/a 10,434 415 n/a n/a 484 951 n/a 9,519 386 2,081 n/a 127 5,652 490 n/a 558 3,428 n/a 3,858 n/a	5,111 462 n/a -10 n/a 759 -11 n/a n/a 70 59 n/a 1,255 47 219 n/a 7 680 56 n/a 62 285 n/a 369 n/a	10.4%         \$46,599         \$64,711         \$67,973         \$80,           12.0%         \$69,720         \$82,643         \$83,760         \$97,           n/a         \$38,833         \$52,844         \$51,905         \$66,           -0.9%         \$69,357         \$75,593         \$75,839         \$82,           n/a         n/a         n/a         n/a         n/a           7.8%         \$47,185         \$65,036         \$63,239         \$84,           -2.6%         \$40,327         \$58,086         \$63,386         \$74,           n/a         n/a         n/a         n/a         n/a         n/a           n/a         n/a         n/a         n/a         n/a         n/a           16.9%         \$49,017         \$61,150         \$64,642         \$75,           6.6%         \$54,293         \$64,625         \$68,884         \$77,           n/a         \$63,390         \$68,583         \$70,941         \$77,           15.2%         \$46,893         \$61,053         \$64,440         \$75,           13.9%         \$44,023         \$54,339         \$51,415         \$65,           11.8%         \$54,924         \$65,630         \$72,513	568 115 353	264 n/a 67 n/a 68 627 24 n/a n/a n/a 26 61 n/a 8 600 26 141 n/a 7 4 390 36 n/a 36 182 n/a 7 264	511 5,5 46 42 n/a n/ -1 10 n/a n/ 76 99 -1 34 n/a n/ n/a n/ 7 49 6 89 n/a n/ 126 98 5 43 22 22 n/a n/ 1 11 68 61 6 54 n/a n/ 6 54 28 30 n/a n/ 37 40 n/a n/	High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential No formal educational credential No formal educational credential No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential High school diploma or equivalent No formal educational credential No formal educational credential No formal educational credential	5 years or more None None None None None None None Non	None Apprenticeship Apprenticeship Apprenticeship Apprenticeship Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Apprenticeship Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training Apprenticeship Apprenticeship Short-term on-the-job training Apprenticeship Moderate-term on-the-job training Apprenticeship Long-term on-the-job training	3 4 3 4 3 4 3 4 3 4 4 3 4 5 5 5 5 3 3 3 4 4 5 5 5 5 3 4 3 3 3 3 3 4 3 3 3 3 3 4 3 3 3 3 4 3 3 4 3 3 3 3 4 3 3 4 3 4	4 3 3 3 3 4 4 5 3 3 3 3 3 3 3 3 3 3 3 3	5 3 4 4 4 4 4 4 5 4 4 4 4 4 4 4 4 4 4 4	4 3 3 3 4 5 3 4 4 5 3 3 3 3 3 3 4 4 3 3 3 3	4 3 4 4 4 4 5 4 4 4 4 3 5 3 3 4 4 4 4 3

C+	NEXT	47-2171 Reinforcing Iron and Rebar Workers	n/2	n/2 n/s	a n/a \$46,262 \$60,011 \$61,2	09 \$75,170	n/a n/a	n/a	n/a ⊔igh	school diploma or equivalent	None	Apprenticeship	2	4	o .	2	2	4
B B	NEXT NEXT	47-2171 Reinforcing from and Rebail Workers 47-2181 Roofers 47-2211 Sheet Metal Workers	n/a 783 1,812	n/a n/a 864 81 1,923 111	10.3% \$38,885 \$57,278 \$57,9	96 \$76,481	n/a n/a 20 58 51 121	8 11	86 No f	ormal educational credential school diploma or equivalent	None None	Moderate-term on-the-job training  Apprenticeship	3 3	3 3 4	3	3 4	3	3
B C+	NEXT NOW	47-2221 Structural Iron and Steel Workers 47-3011 HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Ma	247 n/a	279 32 n/a n/a	13.0% \$58,614 \$66,890 \$71,7	\$79,225	7 20 n/a n/a	3 n/a	30 High	school diploma or equivalent formal educational credential	None None	Apprenticeship Short-term on-the-job training	3	3 3	3	3	3 4	3 4
C C	NOW NOW	47-3012 HelpersCarpenters 47-3013 HelpersElectricians	n/a n/a	n/a n/a n/a n/a	a n/a n/a n/a n/a	n/a n/a	n/a n/a n/a n/a	n/a n/a	n/a High	ormal educational credential school diploma or equivalent	None None	Short-term on-the-job training Short-term on-the-job training	3	3 3	3 4	3 4	3	3
C+ C	NOW NOW	47-3015 HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters 47-3019 Helpers, Construction Trades, All Other 47-4011 Construction and Building Inspectors	126 n/a	142 16 n/a n/a		n/a	4 12 n/a n/a	2 n/a	n/a No f	school diploma or equivalent ormal educational credential	None None	Short-term on-the-job training Short-term on-the-job training	3	3 3	3 -	3 4	3	4
В+ С	NEXT NEXT NEXT	47-4011 Construction and Building Inspectors 47-4021 Elevator Installers and Repairers 47-4031 Fence Erectors	n/a n/a 338	n/a n/a n/a n/a 368 30		n/a	n/a n/a n/a n/a 8 27	n/a n/a 3	n/a High	school diploma or equivalent school diploma or equivalent ormal educational credential	5 years or more None None	Moderate-term on-the-job training Apprenticeship Moderate-term on-the-job training	4 4	4 4 4	5 1 3	4 4	4 4	4 4 4
C+ C	NEXT NEXT	47-4041 Hazardous Materials Removal Workers 47-4051 Highway Maintenance Workers	n/a 1,422	n/a n/a 1,480 58	/ 400.004 4-0.00- 40-4	3 \$76,290	n/a n/a 57 91	n/a 6	n/a High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 4	1 1	4 4	4 3	4 3
C	NEXT NEXT	47-4061 Rail-Track Laying and Maintenance Equipment Operators 47-4071 Septic Tank Servicers and Sewer Pipe Cleaners	n/a 371	n/a n/a 419 48	12.9% \$36,572 \$42,183 \$43,0		n/a n/a 13 33	n/a 5	51 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 4	1 1	4	3 4	3 4
C+ C+ B	NEXT NEXT NEXT	<ul> <li>47-4090 Miscellaneous Construction and Related Workers</li> <li>47-5012 Rotary Drill Operators, Oil and Gas</li> <li>47-5022 Excavating and Loading Machine and Dragline Operators, Surface M</li> </ul>	n/a n/a	64 7 n/a n/a n/a n/a		n/a	2 5 n/a n/a n/a n/a	n/a n/a	n/a No f	school diploma or equivalent formal educational credential school diploma or equivalent	None None Less than 5 years	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3 3 3	3 3 3	<del>1</del> 3	4 3 4	3 4 3	3 4 4
C+	NEXT	47-5097 Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnanc	n/a	n/a n/a			n/a n/a	n/a	•	school diploma or equivalent	Less than 5 years	Long-term on-the-job training	3	3 3	3	4	3	4
В	NEXT	<b>49-0000</b> Installation, Maintenance, and Repair Occupations 49-1011 First-Line Supervisors of Mechanics, Installers, and Repairers	<b>39,312</b> 2,724	<b>41,719 2,40</b> 2,912 188	3 6.9% \$55,488 \$70,396 \$67,9	26 \$83,575	<b>1,281 2,577</b> 82 168	<b>241</b> 19	_	school diploma or equivalent	Less than 5 years	None	3	4 3	3	5	3	5
D C+	NEXT NEXT NEXT	<ul> <li>49-2011 Computer, Automated Teller, and Office Machine Repairers</li> <li>49-2021 Radio, Cellular, and Tower Equipment Installers and Repairers</li> <li>49-2022 Telecommunications Equipment Installers and Repairers, Except Lin</li> </ul>	1,028 n/a 1,404	985 -43 n/a n/a 1,346 -58	a n/a n/a n/a	n/a	30 77 n/a n/a 48 105	-4 n/a -6	n/a	Some college, no degree Associate degree secondary non-degree award	None None None	Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	5 3 3	5 5 4 3 4 3	3	5 4 4	5 4 4	5 4 4
B C	NEXT NEXT	49-2091 Avionics Technicians 49-2092 Electric Motor, Power Tool, and Related Repairers	228 n/a	240 12 n/a n/a	5.3% \$66,548 \$78,822 \$81,2		6 10 n/a n/a	1 n/a	17	Associate degree school diploma or equivalent	None Less than 5 years	None  Moderate-term on-the-job training	3	4 3 3	3	4 3	4	5 3
B C	NEXT NEXT	49-2093 Electrical and Electronics Installers and Repairers, Transportation Ec 49-2094 Electrical and Electronics Repairers, Commercial and Industrial Equi	n/a 181	n/a n/a 198 17	n/a n/a n/a n/a 9.4% \$30,705 \$50,930 \$52,5	n/a 10 \$69,890	n/a n/a 5 9	n/a 2		secondary non-degree award secondary non-degree award	None None	Long-term on-the-job training Long-term on-the-job training	3	3 3 4	3 4	3 5	4 3	5 4
C+ C	NEXT NEXT	49-2095 Electrical and Electronics Repairers, Powerhouse, Substation, and Re 49-2096 Electronic Equipment Installers and Repairers, Motor Vehicles	n/a n/a	n/a n/a n/a n/a 709 30	n n/a n/a n/a n/a n/a \$23,481 \$36,015 \$35,9 4.4% \$35,833 \$46,792 \$44,3		n/a n/a n/a n/a 23 50	n/a n/a	n/a High	secondary non-degree award school diploma or equivalent	Less than 5 years None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training	4 3	4 3	3	4	4 3	4
B B	NEXT NEXT NEXT	<ul> <li>49-2097 Electronic Home Entertainment Equipment Installers and Repairers</li> <li>49-2098 Security and Fire Alarm Systems Installers</li> <li>49-3011 Aircraft Mechanics and Service Technicians</li> </ul>	679 n/a 953	n/a n/a 1,033 80	4.4% \$35,833 \$46,792 \$44,3 a n/a \$48,109 \$60,732 \$63,9 8.4% \$49,240 \$70,906 \$73,7	97 \$74,544	n/a n/a 28 52	n/a 8	n/a High	secondary non-degree award school diploma or equivalent secondary non-degree award	None None None	Moderate-term on-the-job training  None	3	4 3	+ 3 3	4 4 5	4 4	4 4 5
C C+	NEXT NEXT	49-3021 Automotive Body and Related Repairers 49-3022 Automotive Glass Installers and Repairers	1,383 n/a	1,391 8 n/a n/a	0.6% \$34,842 \$47,679 \$43,8 n/a n/a n/a n/a	94 \$59,105 n/a	44 82 n/a n/a	1 n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None	Long-term on-the-job training Moderate-term on-the-job training	3	3 3 4	3	4 4	3 4	3 4
C+ C+	NEXT NEXT	49-3023 Automotive Service Technicians and Mechanics 49-3031 Bus and Truck Mechanics and Diesel Engine Specialists	5,448 1,736	5,383 -65 1,911 175		48 \$58,261	161 367 52 114	-6 18	184 High	secondary non-degree award school diploma or equivalent	None None	Short-term on-the-job training Long-term on-the-job training	3	4 3 3 3	3	4	3	4
B C	NEXT NEXT NEXT	<ul> <li>49-3041 Farm Equipment Mechanics and Service Technicians</li> <li>49-3042 Mobile Heavy Equipment Mechanics, Except Engines</li> <li>49-3043 Rail Car Repairers</li> </ul>	n/a 1,121 n/a	n/a n/a 1,367 246 n/a n/a		n/a 56 \$72,735 n/a	n/a n/a 37 84 n/a n/a	n/a 25 n/a	146 High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Long-term on-the-job training Long-term on-the-job training Long-term on-the-job training	3 3 3	3 3 4 3	3	3 4	4 3 4	4 3 4
C C	NEXT NEXT	49-3051 Motorboat Mechanics and Service Technicians 49-3052 Motorcycle Mechanics	n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a	n/a n/a n/a n/a	n/a n/a	n/a High	school diploma or equivalent secondary non-degree award	None None	Long-term on-the-job training Short-term on-the-job training	3	3 4	1 1	4	4	4
C F	NEXT NEXT	49-3053 Outdoor Power Equipment and Other Small Engine Mechanics 49-3091 Bicycle Repairers	483 n/a	515 32 n/a n/a		n/a	22 33 n/a n/a	3 n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3	3	3	4	4
C+ D R	NEXT NOW NEXT	<ul><li>49-3092 Recreational Vehicle Service Technicians</li><li>49-3093 Tire Repairers and Changers</li><li>49-9011 Mechanical Door Repairers</li></ul>	n/a n/a 160	n/a n/a n/a n/a 199 39		\$38,906	n/a n/a n/a n/a 10	n/a n/a ⁄	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Long-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training	4 3 4	3 3	<del>1</del> 3 1	4 3 4	4 3 4	4 4 4
C+ C+	NEXT NEXT	49-9012 Control and Valve Installers and Repairers, Except Mechanical Door 49-9021 Heating, Air Conditioning, and Refrigeration Mechanics and Installer	346 2,023	363 17 2,229 206	4.9% \$54,902 \$72,611 \$73,2	91,806	8 20 54 145	2 21	30 High	school diploma or equivalent secondary non-degree award	None None	Moderate-term on-the-job training  Long-term on-the-job training	3	3 3	3 3	3	3	4
C B+	NEXT NEXT	49-9031 Home Appliance Repairers 49-9041 Industrial Machinery Mechanics	610 1,672	605 -5 2,002 330		\$74,079	23 35 56 99	0 33	_	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training Long-term on-the-job training	3	4 3	3 3	4 4	3 3	4 4
C+ B+	NEXT NEXT NEXT	49-9043 Maintenance Workers, Machinery 49-9044 Millwrights 49-9051 Electrical Power-Line Installers and Repairers	271 180 554	307 36 210 30 629 75	13.3% \$44,810 \$57,181 \$55,3 16.7% \$59,658 \$84,980 \$76,0 13.5% \$70,888 \$82,564 \$87,0	50 \$120,656	10 16 6 11	4 3	20 High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Long-term on-the-job training Apprenticeship Long-term on-the-job training	3	4 3	3	4 4 4	3 3 2	4
C C	NEXT NEXT	49-9052 Telecommunications Line Installers and Repairers 49-9061 Camera and Photographic Equipment Repairers	1,234 n/a	1,207 -27 n/a n/a	7 -2.2% \$42,012 \$63,887 \$69,9 n n/a n/a n/a n/a	\$82,737	27 103 n/a n/a	-3 n/a	127 High	school diploma or equivalent school diploma or equivalent	None None	Long-term on-the-job training  Long-term on-the-job training	3 4	3 3	3	4 5	3	4
C+ F	NEXT NEXT	49-9062 Medical Equipment Repairers 49-9063 Musical Instrument Repairers and Tuners	604 n/a	648 44 n/a n/a	7.3% \$42,794 \$55,208 \$54,1 a n/a n/a n/a n/a	52 \$65,802 n/a	27 37 n/a n/a	4 n/a	68	Associate degree school diploma or equivalent	None None	Moderate-term on-the-job training  Apprenticeship	3 4	4 4	1 1	5 4	3 4	4 4
C B	NEXT NEXT	49-9069 Precision Instrument and Equipment Repairers, All Other 49-9071 Maintenance and Repair Workers, General	n/a 10,724	n/a n/a 11,423 699			n/a n/a 390 646	n/a 70	1,106 High	school diploma or equivalent school diploma or equivalent	None None	Long-term on-the-job training  Moderate-term on-the-job training	4 3	5 4 3	4 3	4	4 3	4
C R	NEXT NOW NEXT	<ul><li>49-9081 Wind Turbine Service Technicians</li><li>49-9091 Coin, Vending, and Amusement Machine Servicers and Repairers</li><li>49-9094 Locksmiths and Safe Repairers</li></ul>	n/a 279 n/a	n/a n/a 304 25 n/a n/a	n/a n/a n/a n/a 9.0% \$29,452 \$38,176 \$37,9 n/a \$37,147 \$43,433 \$44,3		n/a n/a 13 21 n/a n/a	n/a 2 n/a	36 High	secondary non-degree award school diploma or equivalent school diploma or equivalent	None None None	Long-term on-the-job training Short-term on-the-job training Long-term on-the-job training	3 3 3	4 3 4 3	<del>1</del> 3 3	4 4 4	4 4 4	4 4 4
D C+	NEXT NEXT	49-9096 Riggers 49-9097 Signal and Track Switch Repairers	n/a n/a	n/a n/a n/a n/a		n/a n/a	n/a n/a n/a n/a	n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	4 3 3	3	3 3	3	3
C C+	NOW NEXT	49-9098 HelpersInstallation, Maintenance, and Repair Workers 49-9099 Installation, Maintenance, and Repair Workers, All Other	145 990	157 12 1,063 73	8.3% \$35,198 \$46,415 \$46,4 7.4% \$39,682 \$53,385 \$56,5		6 13 36 68	1 7	_	school diploma or equivalent school diploma or equivalent	None None	Short-term on-the-job training Moderate-term on-the-job training	3 6	4 3 8 6	3 5	4 6	3 6	4 8
p	NEXT	<ul><li>51-0000 Production Occupations</li><li>51-1011 First-Line Supervisors of Production and Operating Workers</li></ul>	<b>60,327</b> 4,211	<b>59,524</b> - <b>80</b> : 4,336 125		· ·	<b>2,292 4,224</b> 128 287	<b>-80</b> 12	<b>6,436</b> 427 High	school diploma or equivalent	Less than 5 years	None	3	4	3	4	3	Λ
D F	NEXT NEXT	51-2011 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers 51-2021 Coil Winders, Tapers, and Finishers	4,211 652 n/a	4,336 125 506 -14 n/a n/a	6 -22.4% \$39,325 \$59,217 \$56,8	98 \$78,076	128 287 22 41 n/a n/a	-15 n/a	48 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3 3 3	3 3 3 3	3 3	4 4 4	3 3 3	4 4 4
C+ D	NEXT NEXT	51-2028 Electrical, Electronic, and Electromechanical Assemblers, Except Coil 51-2031 Engine and Other Machine Assemblers	2,776 n/a	3,042 266 n/a n/a	9.6% \$28,180 \$35,482 \$35,0	14 \$42,150	117 186 n/a n/a	27 n/a	330 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 3	3	3	3	4 4
D D	NEXT NEXT	51-2041 Structural Metal Fabricators and Fitters 51-2051 Fiberglass Laminators and Fabricators	n/a n/a	n/a n/a n/a n/a	n/a \$25,615 \$34,333 \$33,5	96 \$39,882	n/a n/a n/a n/a	n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training Moderate-term on-the-job training	3	3 3 3	3	3	3	4 3
C	NEXT NEXT	51-2090 Miscellaneous Assemblers and Fabricators 51-3011 Bakers 51-3021 Butchers and Most Cutters	6,049 1,304	5,547 -503 1,428 124	9.5% \$23,479 \$31,676 \$28,7	20 \$37,234	221 414 76 102	-50 12	190 No f	school diploma or equivalent ormal educational credential	None None	Moderate-term on-the-job training  Long-term on-the-job training	3	3 3	3	3	3	3 4
D C	NEXT NOW NOW	<ul><li>51-3021 Butchers and Meat Cutters</li><li>51-3022 Meat, Poultry, and Fish Cutters and Trimmers</li><li>51-3023 Slaughterers and Meat Packers</li></ul>	498 356 n/a	454 -44 353 -3 n/a n/a	4 -8.8% \$26,440 \$35,823 \$33,0 -0.8% \$27,923 \$34,361 \$34,1 a n/a n/a n/a		19 35 14 26 n/a n/a	-4 0 n/a	40 No f	ormal educational credential ormal educational credential ormal educational credential	None None None	Long-term on-the-job training Short-term on-the-job training Short-term on-the-job training	3 3 3	4 3 3 3 3 3	3 3 3	4 3 3	3 3 3	4 3 3
C C	NEXT NEXT	51-3091 Food and Tobacco Roasting, Baking, and Drying Machine Operators 51-3092 Food Batchmakers	305 1,164	336 31 1,269 105	10.2% \$26,536 \$31,616 \$31,3	\$36,849	13 24 56 91	3 10	40 No f	ormal educational credential school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 3	3	3	3	4
C D	NEXT NEXT	<ul><li>51-3093 Food Cooking Machine Operators and Tenders</li><li>51-3099 Food Processing Workers, All Other</li></ul>	n/a 81	n/a n/a 82 1	1.2% \$24,135 \$27,588 \$27,5	73 \$30,704	n/a n/a 3 5	n/a O	8 No f	school diploma or equivalent ormal educational credential	None None	Moderate-term on-the-job training Moderate-term on-the-job training	3	3 3 3	3	4 3	3	4 4
F F	NEXT NEXT NEXT	51-4021 Extruding and Drawing Machine Setters, Operators, and Tenders, M 51-4022 Forging Machine Setters, Operators, and Tenders, Metal and Plastic 51-4023 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	440 n/a	394 -46 n/a n/a 47 0		\$50,532	14 26 n/a n/a	-5 n/a 0	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3 3	3 3 3 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	3	3 4	3 3 2	4 4
D D	NEXT NEXT	51-4031 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Tenders, No. 51-4032 Drilling Machine Tool Setters, Operators, and Drilling Machine Tool Setters, Operators, and Drilling Machine Tool Setters, Operators, Operators, Operators, Operators, Operators, Operators, Operators, Operators, Operators, Operat	1,292 n/a	1,269 -23 n/a n/a			41 88 n/a n/a	-2 n/a	127 High	school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3 3	3 3 3	3 3	3	3 4	4 4 4
D D	NEXT NEXT	51-4033 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Oper 51-4034 Lathe and Turning Machine Tool Setters, Operators, and Tenders, N	374 189	363 -11 184 -5	-2.9% \$32,840 \$40,633 \$38,7 -2.7% \$32,130 \$42,913 \$41,5		17 25 6 13	-1 0	41 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 4	3	3 4	3 4	4 4
F C+	NEXT NEXT	51-4035 Milling and Planing Machine Setters, Operators, and Tenders, Metal 51-4041 Machinists	239 2,181	215 -24 2,326 145		16 \$67,910	7 15 75 153	-2 14	242 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Long-term on-the-job training	3	3 3 4 3	3	3	3	4
D D	NEXT NEXT NEXT	51-4051 Metal-Refining Furnace Operators and Tenders 51-4052 Pourers and Casters, Metal 51-4061 Model Makers, Metal and Plastic	218 n/a n/a	189 -29 n/a n/a n/a n/a	0 -13.3% \$37,187 \$45,479 \$42,9 a n/a n/a n/a n/a a n/a \$43,928 \$63,551 \$51,5	n/a	4 14 n/a n/a n/a n/a	-3 n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3 3 3	3 3 3	3 3	3 3 4	3 3 4	4 4 4
F D	NEXT NEXT	51-4071 Foundry Mold and Coremakers 51-4072 Molding, Coremaking, and Casting Machine Setters, Operators, and	210 1,045	182 -28 968 -77	3 -13.3% \$21,959 \$31,135 \$24,2	\$42,864	6 13 33 68	-3 -8	16 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3	3	3	3	3
C C	NEXT NEXT	51-4081 Multiple Machine Tool Setters, Operators, and Tenders, Metal and F 51-4111 Tool and Die Makers	1,019 290	1,083 64 279 -11	6.3% \$27,446 \$34,011 \$32,4 -3.8% \$51,229 \$66,305 \$67,7	\$81,640	34 71 10 18	6 -1	27 Posts	school diploma or equivalent secondary non-degree award	None None	Moderate-term on-the-job training  Long-term on-the-job training	3	3 3 4 3	3	4	3	4
C+ D	NEXT NEXT NEXT	51-4121 Welders, Cutters, Solderers, and Brazers 51-4122 Welding, Soldering, and Brazing Machine Setters, Operators, and Te 51-4191 Heat Treating Equipment Setters, Operators, and Tenders, Metal an	2,465 n/a	2,658 193 n/a n/a	n/a \$30,020 \$35,200 \$34,5	\$39,218	67 202 n/a n/a	19 n/a	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3	3 3	3	3 4	3 3	4
D D	NEXT NEXT	51-4191 Heat Treating Equipment Setters, Operators, and Tenders, Metal and S1-4192 Layout Workers, Metal and Plastic S1-4193 Plating and Coating Machine Setters, Operators, and Tenders, Metal	n/a 352	n/a n/a 343 -9	-4.4% \$31,558 \$42,584 \$43,5 a n/a n/a n/a n/a -2.6% \$28,568 \$33,453 \$32,7	n/a	n/a n/a 11 24	n/a -1	n/a High	school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training  Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 3 3	3 3	4 4 4	3 3	4 4 4
C F	NEXT NEXT	51-4194 Tool Grinders, Filers, and Sharpeners 51-4199 Metal Workers and Plastic Workers, All Other	n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a n/a \$23,472 \$30,991 \$30,7	n/a 94 \$37,056	n/a n/a n/a n/a	n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	4 3	4 3 3 3	3	3 4	3	4 4
F C	NEXT NEXT	51-5111 Prepress Technicians and Workers 51-5112 Printing Press Operators	430 2,101	366 -64 1,922 -179	-14.9% \$32,711 \$42,108 \$40,0 9 -8.5% \$31,704 \$44,519 \$40,8	96 \$54,862	15 38 73 142	-6 -18	197 High	secondary non-degree award school diploma or equivalent	None None	None  Moderate-term on-the-job training	3	3 3	3	3	4 3	4
F D F	NEXT NOW NOW	51-5113 Print Binding and Finishing Workers 51-6011 Laundry and Dry-Cleaning Workers 51-6021 Pressers, Textile, Garment, and Related Materials	644 1,511 262	513 -13: 1,465 -46 196 -66	-3.0% \$20,231 \$23,535 \$22,6	94 \$25,181	28 36 96 100 10 14	-13 -5 -7	191 No f	school diploma or equivalent ormal educational credential ormal educational credential	None None None	Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training	3 3 4	3 3 3 4 4	3 3 1	4 3 4	3 3 4	4 3 4
F F	NOW NEXT	51-6031 Sewing Machine Operators 51-6041 Shoe and Leather Workers and Repairers	1,343 98	1,175 -166 64 -34		98 \$28,691	76 66 4 5	-17 -3	125 No f	ormal educational credential school diploma or equivalent	None None	Short-term on-the-job training  Moderate-term on-the-job training	3	3 3 3 3	3 3	3	3	3
F D	NEXT NEXT	51-6051 Sewers, Hand 51-6052 Tailors, Dressmakers, and Custom Sewers	n/a 956	n/a n/a 880 -76	n/a n/a n/a n/a 5 -8.0% \$28,189 \$36,782 \$37,2		n/a n/a 73 46	n/a -8	111 No f	ormal educational credential ormal educational credential	None None	Moderate-term on-the-job training Moderate-term on-the-job training	3	3 3 3	3	3	4 4	4 4
F D	NEXT NEXT NEXT	51-6062 Textile Cutting Machine Setters, Operators, and Tenders 51-6064 Textile Winding, Twisting, and Drawing Out Machine Setters, Operat 51-6091 Extruding and Forming Machine Setters, Operators, and Tenders, Sy	78 n/a	72 -6 n/a n/a n/a n/a	-7.7% \$24,761 \$29,105 \$28,8 a n/a n/a n/a n/a	n/a	4 5 n/a n/a	-1 n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3	3 3 3	3	3	3	4
C D	NEXT NEXT	51-6092 Fabric and Apparel Patternmakers 51-6093 Upholsterers	33 165	35 2 165 0	6.1% \$25,729 \$60,188 \$53,9 0.0% \$33,332 \$37,762 \$38,9		2 2 5 9	0	4 High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	4 3 3	3	4 3	4 3	5
F C	NOW NEXT	51-6099 Textile, Apparel, and Furnishings Workers, All Other 51-7011 Cabinetmakers and Bench Carpenters	n/a 497	n/a n/a 523 26	n/a n/a n/a n/a 5.2% \$29,450 \$37,670 \$37,9	n/a 46 \$46,195	n/a n/a 19 28	n/a 3	_	school diploma or equivalent school diploma or equivalent	None None	Short-term on-the-job training  Moderate-term on-the-job training	3	3 3 4 3	3 3	3 4	3	3 4
D D	NOW NEXT NEXT	51-7021 Furniture Finishers 51-7031 Model Makers, Wood 51-7041 Sawing Machine Setters, Operators, and Tenders, Wood	n/a n/a	n/a n/a n/a n/a n/a n/a	a n/a n/a n/a n/a a n/a n/a n/a n/a	n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3 5	3 3 5 3	3	3 4 2	3 5 2	3 5 2
C C+	NEXT NEXT	51-7042 Woodworking Machine Setters, Operators, and Tenders, Except Sav 51-7099 Woodworkers, All Other	266 n/a	281 15 n/a n/a	5.6% \$25,417 \$34,232 \$30,5 n/a n/a n/a n/a	•	8 20 n/a n/a	2 n/a	30 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	4 3	3	3	3	3
C+ C	NEXT NEXT	51-8012 Power Distributors and Dispatchers 51-8013 Power Plant Operators	n/a n/a	n/a n/a n/a n/a	n/a \$67,626 \$84,961 \$86,9	•	n/a n/a n/a n/a	n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent	None None	Long-term on-the-job training Long-term on-the-job training	3	4 3	3	4 5	3	4 5
C+ C	NEXT NEXT	51-8021 Stationary Engineers and Boiler Operators 51-8031 Water and Wastewater Treatment Plant and System Operators 51-8001 Chamical Plant and System Operators	142 639	149 7 623 -16	4.9% \$65,540 \$68,947 \$70,9 6 -2.5% \$40,460 \$53,569 \$53,5	00 \$67,151	7 10 18 39	1 -2	55 High	school diploma or equivalent school diploma or equivalent	None None	Long-term on-the-job training  Long-term on-the-job training	3	4 3	3	4	3 3	4
C+ B	NEXT NEXT NEXT	<ul><li>51-8091 Chemical Plant and System Operators</li><li>51-8092 Gas Plant Operators</li><li>51-8093 Petroleum Pump System Operators, Refinery Operators, and Gauge</li></ul>	n/a n/a n/a	n/a n/a n/a n/a n/a n/a	a n/a n/a n/a n/a a n/a n/a n/a n/a a n/a n/a n/a	n/a n/a n/a	n/a n/a n/a n/a n/a n/a	n/a n/a n/a	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training	3	4 3 4 3	3 3	4 4 4	3 4	4 4
C C	NEXT NEXT	51-8099 Plant and System Operators, All Other 51-9011 Chemical Equipment Operators and Tenders	n/a 2,070	n/a n/a 1,910 -16		\$64,060	n/a n/a 44 154	n/a -16		school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training Moderate-term on-the-job training	3	4 3	3 3	4 4	3 3	4 4
C D	NEXT NEXT	51-9012 Separating, Filtering, Clarifying, Precipitating, and Still Machine Sette 51-9021 Crushing, Grinding, and Polishing Machine Setters, Operators, and T 51-9022 Grinding and Polishing Workers, Hand	407 147 n/a	416 9 152 5	2.2% \$33,893 \$54,814 \$42,7 3.4% \$32,221 \$41,574 \$39,6 a n/a \$24,013 \$31,066 \$27,8	50,618	9 32 5 11	1 0 n/a	16 High	school diploma or equivalent school diploma or equivalent formal educational credential	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 3	3	4 3 2	3 3 2	4
C D	NEXT NEXT NOW	51-9022 Grinding and Polishing Workers, Hand 51-9023 Mixing and Blending Machine Setters, Operators, and Tenders 51-9031 Cutters and Trimmers, Hand	971 n/a	n/a n/a 1,002 31 n/a n/a	3.2% \$30,149 \$40,997 \$38,4		33 74 n/a n/a	n/a 3 n/a	110 High	ormal educational credential school diploma or equivalent ormal educational credential	None None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training	3 3	3 3 3 3	3 3	3 4 3	3 3	4 4 4
D D	NEXT NEXT	51-9032 Cutting and Slicing Machine Setters, Operators, and Tenders 51-9041 Extruding, Forming, Pressing, and Compacting Machine Setters, Ope	n/a n/a	n/a n/a n/a n/a	n/a \$33,502 \$39,606 \$38,9		n/a n/a n/a n/a	n/a n/a	_	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 3	3	3 3	3	4 4
D C	NEXT NEXT	51-9051 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders 51-9061 Inspectors, Testers, Sorters, Samplers, and Weighers 51-9071 Jewelers and Precious Stone and Metal Workers	n/a 3,734 329	n/a n/a 3,269 -469	5 -12.5% \$36,651 \$49,974 \$47,1	48 \$61,327	n/a n/a 135 278	n/a -46 -1	367 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3 3	3 3 3	3	3 4	3 3	4
D C+ C+	NEXT NEXT NEXT	51-9071 Jewelers and Precious Stone and Metal Workers 51-9081 Dental Laboratory Technicians 51-9082 Medical Appliance Technicians	329 203 137	321 -8 232 29 157 20	-2.4% \$35,807 \$42,036 \$39,5 14.3% \$31,156 \$45,302 \$40,2 14.6% \$36,445 \$52,396 \$45,2	\$50,208	17 22 10 18 7 12	-1 3 2	31 High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Long-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3 3 3	3 3 3 3	3 3 1	3 4 4	3 3 4	4 4 4
C C+	NEXT NEXT	51-9083 Ophthalmic Laboratory Technicians 51-9111 Packaging and Filling Machine Operators and Tenders	573 4,480	640 67 4,694 214	11.7% \$27,336 \$32,471 \$30,8 4 4.8% \$29,917 \$43,801 \$37,6	\$36,797 26 \$56,523	7 12 27 50 189 304	7 21	84 High 514 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3	3 3 3	3	3	3	3 4
C C+	NEXT NEXT	51-9123 Painting, Coating, and Decorating Workers 51-9124 Coating, Painting, and Spraying Machine Setters, Operators, and Ter	69 1,265	76 7 1,360 95	10.1% \$28,299 \$33,718 \$34,7 7.5% \$36,622 \$49,124 \$46,1	\$60,283	2 5 36 94	1 10	140 High	ormal educational credential school diploma or equivalent	None None	Moderate-term on-the-job training Moderate-term on-the-job training	3	3 3	3	3	3 6	8
n/a C C	NEXT NOW NEXT	51-9141 Semiconductor Processors 51-9151 Photographic Process Workers and Processing Machine Operators 51-9161 Computer Numerically Controlled Tool Operators	n/a n/a 2,043	n/a n/a n/a n/a 1,983 -60	n n/a n/a n/a n/a n/a \$30,598 \$48,865 \$41,0 0 -2.9% \$34,173 \$43,285 \$41,1		n/a n/a n/a n/a 69 149	n/a n/a -6	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training Short-term on-the-job training Moderate-term on-the-job training	3 3	3 3 4	3	4 4 4	3 3 3	4 4 4
B+ D	NEXT NEXT	51-9162 Computer Numerically Controlled Tool Programmers 51-9191 Adhesive Bonding Machine Operators and Tenders	267 94	334 67 96 2	25.1% \$57,393 \$72,178 \$71,2 2.1% \$29,505 \$34,501 \$35,5	\$82,367 34 \$39,427	10 22 5 6	7	39 Posts 11 High	secondary non-degree award school diploma or equivalent	None None	Moderate-term on-the-job training Moderate-term on-the-job training	3 3	4 3 3	3	4 4	4 3	4
C	NEXT NEXT	51-9192 Cleaning, Washing, and Metal Pickling Equipment Operators and Telest-9193 Cooling and Freezing Equipment Operators and Tenders 51-9194 Etchers and Engravers	n/a 218	n/a n/a 234 16	7.3% \$28,924 \$37,747 \$37,9	\$46,596	n/a n/a 8 17	n/a 2	27 High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	3 3	3 3 3	3	3 3	3 3	3
C C+ D	NEXT NEXT NEXT	<ul> <li>51-9194 Etchers and Engravers</li> <li>51-9195 Molders, Shapers, and Casters, Except Metal and Plastic</li> <li>51-9196 Paper Goods Machine Setters, Operators, and Tenders</li> </ul>	n/a 316 794	n/a n/a 373 57 708 -86	n/a \$24,865 \$35,230 \$33,4 18.0% \$30,033 \$37,635 \$34,6 -10.8% \$34,295 \$40,338 \$40,7	39,905	n/a n/a 12 23 34 50	n/a 6 -9	41 High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training Long-term on-the-job training Moderate-term on-the-job training	3 3 3	3 3 3	3 3	3 3	3 3	3 4 4
D D	NEXT NOW	51-9196 Paper Goods Machine Setters, Operators, and Tenders 51-9197 Tire Builders 51-9198 HelpersProduction Workers	n/a 618	n/a n/a 619 1	n/a n/a n/a n/a 0.2% \$25,444 \$31,552 \$30,1	n/a 34 \$37,278	n/a n/a 29 58	n/a 0	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	None None None	Moderate-term on-the-job training  Moderate-term on-the-job training  Short-term on-the-job training	3	3 3 3	3	3	3	4 3
С	NEXT	51-9199 Production Workers, All Other	922	1,006 84	9.1% \$25,676 \$37,277 \$33,1	95 \$45,180	33 71	8	112 High	school diploma or equivalent	None	Moderate-term on-the-job training	3	3 3	3	4	3	4
C+ B	NEXT NEXT	<ul> <li>53-0000 Transportation and Material Moving Occupations</li> <li>53-1041 Aircraft Cargo Handling Supervisors</li> <li>53-1047 FirstLine Supervisors of Transportation &amp; Material Moving Workers,</li> </ul>	<b>74,952</b> 98 3,077	<b>81,881 6,92</b> 105 7 3,297 220	7.1% \$46,142 \$61,241 \$54,1	33 \$76,219	<b>3,661 6,162</b> 4 7 116 221	<b>693</b> 1 22	_	school diploma or equivalent school diploma or equivalent	Less than 5 years Less than 5 years	None None	5 3	5 5	5 3	5 4	4 4	4
B+ B+	LATER NEXT	53-2011 Airline Pilots, Copilots, and Flight Engineers 53-2012 Commercial Pilots	n/a 310	n/a n/a 347 37	n/a n/a n/a n/a 11.9% \$68,308 \$98,581 \$91,3	n/a 51 \$114,318	n/a n/a 12 23	n/a 4	n/a	Bachelor's degree school diploma or equivalent	Less than 5 years None	Moderate-term on-the-job training Moderate-term on-the-job training	5 5	5 6	5	6 6	5 5	6
B B	NEXT NEXT	53-2021 Air Traffic Controllers 53-2022 Airfield Operations Specialists	88 346 ,	91 3 456 110	3.4% \$98,006 \$119,934 \$119,0 31.8% \$26,136 \$35,171 \$30,6	01 \$143,044 49 \$40,591	2 6 10 28	0 11	8 49 High	Associate degree school diploma or equivalent	None None	Long-term on-the-job training  Long-term on-the-job training	4 3	5 6	5 1 -	6 5	5 5	6 6
B+ D C+	NEXT NEXT NOW	<ul><li>53-2031 Flight Attendants</li><li>53-3011 Ambulance Drivers and Attendants, Except Emergency Medical Tech</li><li>53-3031 Driver/Sales Workers</li></ul>	n/a n/a 3,206	n/a n/a n/a n/a 3,591 385		n/a n/a 38 \$37,747	n/a n/a n/a n/a 139 230	n/a n/a 38	n/a High	school diploma or equivalent school diploma or equivalent school diploma or equivalent	Less than 5 years None None	Moderate-term on-the-job training Moderate-term on-the-job training Short-term on-the-job training	4 3 3	4 5 3 3 3	3 3	5 4 3	5 3 4	5 3 4
B+ B+	NEXT NOW	53-3031 Driver/Sales Workers 53-3032 Heavy and Tractor-Trailer Truck Drivers 53-3033 Light Truck or Delivery Services Drivers	12,972 6,616	14,080 1,10 7,434 818	8.5% \$43,247 \$52,480 \$52,6	\$62,162	554 917 288 476	111 82	1,582 Posts	school diploma or equivalent secondary non-degree award school diploma or equivalent	None None	Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training	3	3 3 3	3	4	3	4
C+ B+	NEXT NOW	53-3052 Bus Drivers, Transit and Intercity 53-3058 Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	n/a 4,975	n/a n/a 5,944 969	n/a \$30,421 \$38,937 \$37,4 9 19.5% \$21,836 \$31,619 \$29,4	70 \$47,054 89 \$37,645	n/a n/a 360 271	n/a 97	n/a High 728 No f	school diploma or equivalent ormal educational credential	None None	Moderate-term on-the-job training Short-term on-the-job training Short term on the job training	3	3 3 4	3	4	3	3
C+ n/a n/a	NOW NEXT NEXT	53-3099 Motor Vehicle Operators, All Other 53-4011 Locomotive Engineers 53-4013 Rail Yard Engineers, Dinkey Operators, and Hostlers	240 n/a n/a	269 29 n/a n/a n/a n/a			26 15 n/a n/a n/a n/a	3 n/a n/a	n/a High	ormal educational credential school diploma or equivalent school diploma or equivalent	None Less than 5 years None	Short-term on-the-job training Moderate-term on-the-job training Moderate-term on-the-job training	3 3 3	3 3 3	3 3	5 4 3	4 3 3	4 4 4
n/a n/a n/a	NEXT NEXT	53-4022 Railroad Brake, Signal, and Switch Operators and Locomotive Firers 53-4031 Railroad Conductors and Yardmasters	n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a	n/a n/a n/a n/a n/a n/a	n/a n/a n/a	n/a High n/a High	school diploma or equivalent school diploma or equivalent	None None	Moderate-term on-the-job training  Moderate-term on-the-job training	6 3	6 6 3	5 4	6	6 3	8
C B+	NEXT NEXT	53-5011 Sailors and Marine Oilers 53-5021 Captains, Mates, and Pilots of Water Vessels 53-5022 Motorboat Operators	n/a n/a	n/a n/a n/a n/a	n/a \$40,641 \$51,004 \$55,1 n/a \$70,698 \$92,150 \$90,6	16 \$61,569 58 \$118,074	n/a n/a n/a n/a	n/a n/a	n/a No f n/a Posts	ormal educational credential secondary non-degree award	None Less than 5 years	Moderate-term on-the-job training None	3 3 2	3 3 5 3	3 3	3 4	3 3	3 4
B+ D	NEXT NEXT NOW	53-5022 Motorboat Operators 53-5031 Ship Engineers 53-6021 Parking Lot Attendants	n/a n/a 729	n/a n/a n/a n/a 747 18		n/a	n/a n/a n/a n/a 36 76	n/a n/a 2	n/a Posts	secondary non-degree award secondary non-degree award formal educational credential	Less than 5 years Less than 5 years None	None None Short-term on-the-job training	3	5 4 3 4	, 1 1	4	5 4 4	5 4
D C	NOW NEXT	53-6031 Automotive and Watercraft Service Attendants 53-6041 Traffic Technicians	n/a n/a	n/a n/a n/a n/a	n/a \$25,285 \$32,382 \$30,6	\$38,117	n/a n/a n/a n/a	n/a n/a	n/a No f	ormal educational credential school diploma or equivalent	None None	Short-term on-the-job training  Moderate-term on-the-job training	3 5	3 3 5	3 4	3 4	3 4	3 4

C+	NEXT	53-6051 Transportation Inspectors	103	99	-4	-3.9%	\$86,929	\$100,266	\$101,828	\$120,315	3	7	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3
C+	NOW	53-6061 Transportation Attendants, Except Flight Attendants	n/a	n/a	n/a	n/a	\$19,826	\$28,823	\$28,999	\$34,986	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	4
С	NOW	53-6098 Aircraft Service Attendants and Transportation Workers, All Other	255	280	25	9.8%	\$23,082	\$31,677	\$28,113	\$34,790	12	24	2	38	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3
С	NOW	53-7011 Conveyor Operators and Tenders	722	821	99	13.7%	\$28,651	\$32,820	\$31,348	\$36,113	24	66	10	100	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3
C+	NEXT	53-7021 Crane and Tower Operators	161	182	21	13.0%	\$29,055	\$45,884	\$37,268	\$66,961	5	13	2	20	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3
B+	NEXT	53-7031 Dredge Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3
С	NOW	53-7041 Hoist and Winch Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	4
В	NOW	53-7051 Industrial Truck and Tractor Operators	3,565	3,933	368	10.3%	\$30,566	\$40,768	\$39,138	\$49,900	113	288	37	438	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3
С	NOW	53-7061 Cleaners of Vehicles and Equipment	1,830	1,962	132	7.2%	\$22,087	\$32,497	\$27,324	\$37,292	93	169	13	275	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3
B+	NOW	53-7062 Laborers and Freight, Stock, and Material Movers, Hand	15,678	17,301	1,623	10.4%	\$27,680	\$36,784	\$32,408	\$41,251	722	1,435	162	2,319	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3
D	NOW	53-7063 Machine Feeders and Offbearers	301	303	2	0.7%	\$24,815	\$31,307	\$29,292	\$34,201	17	22	0	39	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3
С	NOW	53-7064 Packers and Packagers, Hand	2,322	2,363	41	1.8%	\$22,617	\$29,668	\$27,075	\$34,273	133	190	4	327	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3
В	NOW	53-7065 Stockers and Order Fillers	15,235	15,889	654	4.3%	\$24,245	\$32,002	\$29,752	\$36,994	886	1,518	65	2,469	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3
В	NEXT	53-7072 Pump Operators, Except Wellhead Pumpers	n/a	n/a	n/a	n/a	\$68,393	\$71,213	\$73,500	\$78,637	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3
С	NOW	53-7081 Refuse and Recyclable Material Collectors	267	293	26	9.7%	\$26,710	\$38,813	\$38,009	\$47,697	12	25	3	40	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3
D	NOW	53-7121 Tank Car, Truck, and Ship Loaders	30	30	0	0.0%	\$39,441	\$43,294	\$43,889	\$48,574	1	3	0	4	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3
C+	NOW	53-7199 Material Moving Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3

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#### **Notes**

- 1. n/a = Data suppressed due to confidentiality or lack of statistically significant data.
- 2. Net Employment Change (Column G) is the difference in the number of jobs between the base and projected years.
- 3. Percent employment change (Column H) indicates how fast employment is expected to increase or decrease during the projection period.
- 4. Annual Exit Openings (Column M) are an estimate of the annual number of jobs that will arise from the need to replace workers who have left the workforce entirely.
- 5. Annual Transfer Openings (Column N) are an estimate of the annual number of jobs that will arise from the need to replace workers who have transferred to a different occupation
- 6. Annual Growth Openings (Column O) are the annual numeric change in employment.
- 7. Annual Total Openings (Column P) are the sum of exit, transfer, and growth openings.

#### **Occupation Grade**

The occupation grades, or "career grades", are based on a combination of total job openings, percent growth, and the average wages of an occupation. Occupations with the letter grade "A+" have the best outlook, while occupations with the letter grade "F" have the worst outlook. Grades in each region are determined by comparing only the occupations within that region.

#### **STEM**

Refers to Science, Technology, Engineering, and Math occupations. "Core" occupations are those that strictly use STEM skills. "Related" occupations are those that use related STEM skills.

#### N\_N\_L: "Now, Next, Later"

Now: Typically requires short-term on-the-job training, little to no experience, and/or a high school diploma

Next: Typically requires non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training

Later: Typically requires a bachelor's degree or higher

#### **ACT WorkKeys Assessments**

ACT WorkKeys® assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Scores are provided for three different categories: Applied Math, Workplace Documents, and Graphic Literacy. Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3, 4, and 5. The minimum and median score required for each occupation is shown, if available. For more information about WorkKeys skills, please visit the following website:

https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html